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Effluent monitoring regulation - inorganic chemical sector : Ontario regulation 395/89 as amended by Ontario regulation

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ISBN 0-7729-7154-4
PIBS 990

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

ONTARIO REGULATION 395/89 as amended by ONTARIO REGULATION 649/89

MISA
Municipal/Industrial Strategy for Abatement

MAY 1990

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.C6 Ontario regulation 395/89 as
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1990 82505

REGULATION MADE UNDER THE ENVIRONMENTAL PROTECTION ACT

ONTARIO REGULATION 395/89

EFFLUENT MONITORING - INORGANIC CHEMICAL SECTOR

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REGULATION MADE UNDER THE
ENVIRONMENTAL PROTECTION ACT

EFFLUENT MONITORING - INORGANIC CHEMICAL SECTOR

Definitions

1.-(1) In this Regulation,

"bi-monthly period" means a period of two months beginning on the first day of January, March, May, July, September or November;

"bi-monthly" means once in each two month period beginning on the first day January, March, May, July, September and November;

"characterization" means the analysis of a sample to identify and quantify all of the parameters in Schedule AA;

"combined effluent " means effluent resulting from any intentional combination of process effluent or process materials with cooling water;

"final discharge sampling point" means a location in a process effluent, combined effluent or batch discharge effluent stream situated,

(a) before the place of discharge to a surface watercourse, and

(b) downstream of all additions of effluent to that stream;

"General Effluent Monitoring Regulation" means Ontario Regulation 695/88;

"process change" means any change in equipment, production process or treatment process;

"quarterly" means once in each three month period beginning on the first day of January, April, July and October;

"semi-annual period" means a period of six months beginning on the first day of January or July;

"semi-annually" means once in each six month period beginning on the first day of January and July in each year;

(2) The definitions in section 1 of the General Effluent Monitoring Regulation that are not redefined in this Regulation apply to this Regulation.

Purpose

2. The purpose of this Regulation is to establish a data base on effluent quality in the inorganic chemical sector that, along with other pertinent information, will be used to develop effluent limits for that sector and to quantify the mass loadings of monitored contaminants being discharged by that sector into surface watercourses.

Application

3.-(1) This Regulation applies only with respect to the plants listed in subsection (2) and only with respect to effluent streams named in the site-specific monitoring schedules for those plants.

(2) The site-specific monitoring schedule for each plant is as set out in the following Table:

TABLE

ITEM	PLANT	LOCATION	OWNER AS OF MAY 19, 1989	SITE-SPECIFIC MONITORING SCHEDULE
1.	Amherstburg Plant	Amherstburg	Allied Chemicals Canada Inc.	A
2.	Amherstburg Plant	Amherstburg	General Chemical Canada Ltd.	B
3.	Chippawa Plant	Niagara Falls	Norton Canada Inc.	C
4.	Cornwall Works	Cornwall	C-I-L Inc.	D
5.	Cornwall Works	Cornwall	Stanchem, a Division of C-I-L Inc.	E
6.	Elmira Plant	Elmira	Sulco Chemicals Limited	F
7.	Hamilton Plant	Hamilton	Columbian Chemicals Canada Ltd.	G
8.	Lambton Works	Courtright	C-I-L Inc.	H
9.	Maitland Plant	Maitland	Nitrochem Inc.	I
10.	Niagara Plant	Niagara Falls	Cyanamid Canada Inc.	J
11.	Niagara Falls Plant	Niagara Falls	Washington Mills Electro Minerals Corporation	K
12.	Niagara Falls Plant	Niagara Falls	Washington Mills Limited	L
13.	Nipissing Site	North Bay	ETI Explosives Technologies International (Canada) Ltd.	M
14.	Port Maitland Plant	Port Maitland	Albright & Wilson Americas Inc.	N
15.	Port Maitland Plant	Port Maitland	International Minerals and Chemical Corporation (Canada) Limited	O
16.	Sarnia Plant	Sarnia	Cabot Canada Ltd.	P
17.	Sarnia Plant	Sarnia	Fiberglas Canada Inc.	Q
18.	Sarnia Plant	Sarnia	Partek Insulations Ltd.	R
19.	Sarnia Works	Sarnia	Welland Chemical Ltd.	S
20.	Thorold Plant	Thorold	The Exolon-ESK Company of Canada Ltd.	T
21.	Welland Plant	Niagara Falls	Cyanamid Canada Inc.	U
22.	Welland Plant	Welland	Union Carbide Canada Limited	V

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(3) This Regulation is a Sectoral Effluent Monitoring Regulation within the meaning of the General Effluent Monitoring Regulation.

(4) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, toxicity testing, flow measurement, recording and reporting obligations of this Regulation, in accordance with the General Effluent Monitoring Regulation and in accordance with the sampling principles specified in Schedule BB to this Regulation and the analytical principles specified in Schedule CC to this Regulation.

(5) Each direct discharger shall carry out the monitoring obligations of this Regulation using the analytical method detection limits specified in column 6 of Schedule 3 to the General Effluent Monitoring Regulation and in Column 6 of Schedule CC to this Regulation.

(6) Each direct discharger shall carry out the sampling and analytical obligations in relation to boron, strontium, biphenyl and diphenyl ether in accordance with Notes A to D to Schedule AA.

(7) An obligation on a direct discharger to do a thing under this Regulation is discharged if another person has done it on the direct discharger's behalf.

(8) Sections 4 to 16 of this Regulation cease to apply in respect of a sampling point of a direct discharger where an approval is granted under subsection 24(1) of the Ontario Water Resources Act,

(a) to route the effluent stream on which the sampling point is established to a sewage works; or

(b) to eliminate the effluent stream on which the sampling point is established.

Sampling Points

4.-(1) Each direct discharger shall, by the 1st day of September, 1989, establish a sampling point on each effluent stream named in the site-specific monitoring schedule for that discharger's plant as follows:

1. A batch discharge sampling point on each batch discharge effluent stream.

2. A combined effluent sampling point on each combined effluent stream.

3. A final discharge sampling point on each process effluent, combined effluent or batch discharge effluent stream.

4. A once-through cooling water sampling point on each once-through cooling water effluent stream.

5. A process effluent sampling point on each process effluent stream.

6. A storm water sampling point on each storm water effluent stream.

7. A waste disposal site effluent sampling point on each waste disposal site effluent stream.

8. An emergency overflow effluent sampling point on each emergency overflow effluent stream.

(2) Each direct discharger shall use the sampling points established under subsection (1) for all sampling required by this Regulation, except that a direct discharger may use alternate sampling points where that is acceptable to the Director.

(3) Where there is continuity of flow among a process effluent, combined effluent or batch discharge effluent stream of a direct discharger, that direct discharger shall collect all samples required by sections 5, 7, 8 and 9 in respect of those particular streams on the same day, to the extent that the coincidence or overlap of frequency requirements specified in the site-specific monitoring schedule for that discharger's plant permits.

(4) Except as otherwise specifically provided, sets of samples required to be collected under this Regulation need not be collected on the same day.

(5) Each direct discharger shall collect each sample required to be collected from a process or combined effluent sampling point as a composite sample throughout an operating day in accordance with subsection 3(4) of the General Effluent Monitoring Regulation.

(6) Each direct discharger shall submit for analysis the sample volume for each analytical test group that is required by the laboratory to meet the analytical method detection limits

specified in Column 6 in Parts A and B of Schedule 3 of the General Effluent Monitoring Regulation.

(7) Each direct discharger carrying out the requirements of subsection (6) need not comply with subsection 3(23) of the General Effluent Monitoring Regulation.

Characterization

5.-(1) Each direct discharger shall collect a set of samples sufficient to perform all of the characterization and open characterization required by subsections (4), (6) and (7) from each process effluent, combined effluent and batch discharge effluent sampling point of that discharger,

(a) at the characterization sampling frequencies and minimum intervals specified in the site-specific monitoring schedule for that discharger's plant; and

(b) once within thirty days after every process change that is expected to significantly and adversely affect the quality of effluent at that sampling point.

(2) For the purpose of subsection 4(3) of the General Effluent Monitoring Regulation, samples collected under subsection (1) are collected for characterization.

(3) Clause (1)(b) does not apply to experimental process changes of less than thirty days in duration.

(4) Each direct discharger shall analyze each set of samples collected under clauses (1)(a) and 1(b) for all of the parameters in Column 2 of Schedule AA.

(5) Each direct discharger shall collect all samples required by clause 1(a) on the same day, except to the extent that this is impossible because of a lack of coincidence or overlap of frequency requirements specified in the site-specific monitoring schedule for that discharger's plant for characterization sampling for analytical test group 24, with frequency requirements specified in that schedule for characterization sampling for all other analytical test groups.

(6) Despite subsection (4), where the characterization sampling frequencies specified in the site-specific monitoring schedule for a direct discharger's plant require characterization sampling for all analytical test groups other than analytical

test group 24 on a day on which characterization sampling for analytical test group 24 is not required by that schedule, the samples collected under clause 1(a) on that day need not be analyzed for analytical test group 24.

(7) Each direct discharger shall perform an open characterization on each set of samples collected under clause (1)(a).

(8) A direct discharger is only required to fulfill the requirements of clause 1(a) throughout four consecutive quarters.

Daily Monitoring

6.-(1) Subject to subsection (2), at each final discharge sampling point, each direct discharger shall,

(a) continuously sample and analyze, using an on-line analyzer, for the parameters in analytical test groups 3 and 7 in Schedule AA; or

(b) during each operating day, collect a set of samples and analyze those samples for the parameters specified in clause (1)(a).

(2) If a direct discharger is unable to carry out the requirements of subsection (1) at a final discharge sampling point, that discharger shall instead carry out those requirements at each sampling point on each effluent stream that flows into the stream on which the final discharge sampling point is located, and shall analyze those samples for the parameters specified in clause (1)(a).

(3) During each operating day, each direct discharger shall collect a set of samples from each process effluent, combined effluent and batch discharge effluent sampling point of that discharger, and shall analyze each such set for the parameters indicated in the daily column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(4) When on an operating day a set of samples is collected under subsection (3) from a sampling point in respect of which a collection or analysis was performed on the same day under subsections (1) or (2), the direct discharger need not analyze the set of samples for parameters for which an analysis was performed under subsections (1) or (2).

(5) Clause (1)(b) and subsections (2) and (3) do not apply in respect of any day on which a sufficient volume of sample cannot be collected because of the collection of inspection samples.

Thrice Weekly Monitoring

7.-(1) On at least three operating days in each week, each direct discharger shall collect a set of samples from each process effluent, combined effluent and batch discharge effluent sampling point of that discharger and shall analyze each such set for the parameters indicated in the thrice-weekly column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Weekly Monitoring

8.-(1) On at least one day in each week, each direct discharger shall collect a set of samples from each process effluent, combined effluent and batch discharge effluent sampling point of that discharger and shall analyze each such set for the parameters indicated in the weekly column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(2) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under section 7 from the same sampling point.

(3) For the purposes of subsection (1), a set of samples collected from a sampling point after the first set of samples is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous collection of a set of samples from that sampling point.

Monthly Monitoring

9.-(1) On at least one day in each month, each direct discharger shall collect a set of samples from each process effluent, combined effluent and batch discharge effluent sampling point of that discharger and shall analyze each such set for the parameters indicated in the monthly column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(2) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected

under section 8 from the same sampling point.

(3) For the purposes of subsection (1), a set of samples collected from a sampling point after the first set of samples is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous collection of a set of samples from that sampling point.

Monthly Monitoring - Once-through Cooling Water

10.-(1) On at least one day in each month, on a day on which a set of samples required by subsection 9(1) is collected, each direct discharger shall collect a set of samples from each once-through cooling water sampling point of that discharger and shall analyze each such set for the parameters indicated in the column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(2) For the purpose of subsection (1), a set of samples collected from a sampling point after the first set of samples is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous collection of a set of samples from that sampling point.

Monthly Monitoring - Storm Water

11.-(1) On at least one operating day in each month in which there is a storm event or thaw on an operating day, each direct discharger shall collect a set of samples from each affected storm water sampling point of that discharger during a discharge of storm water related to the storm event and shall analyze each such set for the parameters indicated in the column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(2) Where a direct discharger has been unable to collect a set of samples from a storm water sampling point of that discharger during any month in which there was a storm event or thaw because of insufficient flow, that discharger shall collect a compensating set of samples from that sampling point during a subsequent discharge of storm water in respect of which a set of samples is not collected under subsection (1), and shall analyze each such set for the parameters indicated in the column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each direct discharger shall make every reasonable effort to ensure that samples collected under subsection (1) in at least two of the months of January, February, March, April and May are collected during a thaw with collection during the second thaw to occur no sooner than two weeks after collection during the first thaw.

Monthly Monitoring - Waste Disposal Site Effluent

12.-(1) On one day in each month during which there is a discharge of waste disposal site effluent, each direct discharger shall collect a set of samples from each waste disposal site effluent sampling point of that discharger during a discharge of waste disposal site effluent and shall analyze each such set for the parameters indicated in the column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

Event Monitoring - Emergency Overflow

13.-(1) During each emergency overflow, each direct discharger shall collect a set of samples from each affected emergency overflow effluent sampling point of that discharger and shall analyze each such set for the parameters indicated in the column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(2) Subsection (1) does not apply if the collection of samples would result in danger to health or safety.

Quality Control Monitoring

14.-(1) Each direct discharger shall prepare each travelling spiked blank sample required to be analyzed by this section with a standard solution containing at least the parameters to be analyzed for, and shall record the concentration of each such parameter.

(2) For the purposes of subsections (3) and (4), where a direct discharger collects a composite sample using an automatic composite sampling device, the discharger may, instead of collecting a duplicate sample, remove an aliquot from each sample container used to collect the sample, in which case the direct discharger shall analyze the aliquots as if they were duplicate samples.

(3) Once in each month, on a day on which samples are collected under section 9, each direct discharger shall collect a duplicate sample for each sample required to be collected on that day by sections 6 and 7 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant and shall analyze the set of duplicate samples for the parameters indicated in the daily and thrice-weekly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(4) Once in each quarter, on a day on which duplicate samples are collected under subsection (3), each direct discharger shall collect a duplicate sample for each sample required to be collected on that day by sections 8 and 9 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, and shall analyze the set of duplicate samples for the parameters indicated in the weekly and monthly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(5) Once in each month, on a day on which samples are collected under subsection (3), each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each sample required to be collected on that day by sections 6 and 7 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, and shall analyze the set of travelling blank samples for the parameters indicated in the daily and thrice-weekly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(6) Despite subsection (5), a direct discharger need not analyze a travelling blank sample for parameters in analytical test groups 3 and 8.

(7) Once in each quarter, on a day on which duplicate samples are collected under subsection (4), each direct discharger shall prepare, process and return to the laboratory a travelling blank sample for each sample required to be collected on that day by sections 8 and 9 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, and shall analyze the set of travelling blank samples for the parameters indicated in the weekly and monthly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(8) Once in each month, on a day on which samples are collected under subsection (3), each direct discharger shall

prepare, process and return to the laboratory a travelling spiked blank sample for each sample required to be collected on that day by sections 6 and 7 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the daily and thrice weekly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(9) Once in each quarter, on a day on which duplicate samples are collected under subsection (4), each direct discharger shall prepare, process and return to the laboratory a travelling spiked blank sample for each sample required to be collected on that day by sections 8 and 9 from the stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the weekly and monthly columns, for the stream from which the set was collected, of that site-specific monitoring schedule.

(10) A direct discharger is only required to fulfil the requirements of subsections (8) and (9) if any of analytical test groups 16 to 20, 23, 24 and 27 are indicated in any daily, thrice weekly, weekly or monthly column of the site-specific monitoring schedule for that discharger's plant.

Toxicity Testing

15.-(1) Each direct discharger shall collect a sample from each final discharge sampling point of that discharger once in each month on the same day as the set of samples is collected under section 9 from that sampling point and shall perform thereon a fish toxicity test.

(2) If the tests performed under subsection (1) on all samples from a final discharge sampling point in three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations, a direct discharger may thereafter perform the tests required by subsection (1), on the samples from that sampling point, on 100 per cent undiluted samples only.

(3) If a test performed under subsection (2) on any sample from a final discharge sampling point results in mortality for more than two out of ten fish, subsection (2) ceases to apply and continues not to apply in respect of samples from that sampling

point, until the tests performed under subsection (1) on all samples from that sampling point in a further three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations.

(4) Each direct discharger shall collect a sample from each final discharge sampling point of that discharger once in each month, on the same day as the sample is collected under subsection (1) from that sampling point and shall perform thereon a _Daphnia magna_ acute lethality toxicity test.

(5) Each direct discharger shall collect each sample required by subsection (4) together in the same container or set of containers with the sample collected under subsection (1) from the same sampling point.

(6) Each direct discharger shall collect a sample from each once-through cooling water sampling point of that discharger once in each quarter on the same day as one of the sets of samples required by section 10 is collected from that sampling point and shall perform, on each sample required by this subsection,

(a) a fish toxicity test; and

(b) a _Daphnia magna_ acute lethality toxicity test.

(7) If the test performed in the first quarter under subsection (6) on all samples from a once-through cooling water sampling point result in mortality for no more than two out of ten test species for both tests at all effluent concentrations, a direct discharger may thereafter perform the tests required by subsection (6) on the samples from that sampling point, on 100 per cent undiluted samples only.

(8) If a test performed under subsection (7) on any sample from a once-through cooling water sampling point results in mortality for more than two out of ten test species, subsection (7) ceases to apply in respect of samples from that sampling point.

(9) A direct discharger is only required to fulfil the requirements of subsection (6) throughout four consecutive quarters.

Flow Measurement

16.-(1) Subject to subsection (2), each direct discharger shall continuously measure the flow of each process effluent and combined effluent stream of that discharger at a location or set of locations representative of the flow at the sampling point established for that stream and shall continuously record the measured flow.

(2) Where there is no continuous flow measurement in place on a combined effluent stream, each direct discharger shall estimate, on each operating day, the total daily flow of the stream and shall record the estimated flow.

(3) Where the flow of a process effluent or combined effluent stream cannot be continuously measured on any operating day because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, the direct discharger may fulfil the requirement of subsection (1) by estimating the total volume of effluent discharged on that day from that stream and recording that estimate.

(4) Each direct discharger shall, at the time of each sampling under this Regulation from a batch discharge or once-through cooling water effluent stream of that discharger, measure or estimate the flow of that stream at a location or set of locations representative of the flow at the sampling point established for that stream and shall record the measured or estimated data.

(5) Each direct discharger shall measure or estimate the duration and approximate volume of every storm water discharge, waste disposal site effluent discharge and emergency overflow in respect of which the discharger has taken a sample under this Regulation and shall record the measured or estimated data.

(6) Subsection 6(6) of the General Effluent Monitoring Regulation does not apply in respect of measurements or estimates of volume of discharges of storm water.

(7) Subject to subsection (8), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each primary flow measuring device used to measure the flow of any process effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(8) Where a direct discharger demonstrates to the Director by means of a certified report of a registered professional engineer of the Province of Ontario that a primary flow measuring device has been designed and installed in accordance with the standards of a national or international standards setting organization, that primary device will be deemed capable of

meeting the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(9) Subject to subsection (10), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each flow measuring device used to measure the flow of any combined effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

(10) Where a direct discharger demonstrates to the Director by means of a certified report of a registered professional engineer of the Province of Ontario that a flow measuring device has been designed and installed in accordance with the standards of a national or international standards setting organization, that flow measuring device will be deemed capable of meeting the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

Reporting

17.-(1) Each direct discharger shall, by the 8th day of September, 1989, submit an initial report to the Director in respect of that discharger's plant.

(2) Each direct discharger shall ensure that the plans submitted under paragraph 1 of subsection 7(1) of the General Effluent Monitoring Regulation identify by type each effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(3) Each direct discharger shall report in writing any changes in respect of the information submitted under subsection (1) to the Director within thirty days after the end of the month during which the change occurs.

(4) Each direct discharger shall notify the Director in writing of any change of name or ownership of its plant occurring after the 19th day of May, 1989, within thirty days after this Regulation comes into force or within thirty days after any such change.

(5) Each direct discharger shall, no later than thirty days after the event, notify the Director in writing of any process change that occurs after the day this Regulation comes into force and that may adversely affect the quality of the effluent in any effluent stream named in the site-specific monitoring schedule

for that discharger's plant.

(6) Each direct discharger shall, no later than thirty days before the event or thirty days after this Regulation comes into force, notify the Director in writing of any redirection of or change in the type of an effluent stream named in the site-specific monitoring schedule for that discharger's plant that occurs after the day this Regulation comes into force.

(7) For the purposes of subsections (2) and (6), effluent stream types are the types mentioned in subsection 4(1).

(8) Despite subsection (6), a direct discharger need not notify the Director of any redirection of an effluent stream to an emergency overflow effluent stream.

(9) With respect to each sample, each direct discharger shall report to the Director the results of all analyses performed by or on behalf of the direct discharger under sections 5 to 14 of this Regulation, and under subsection 4(18) of the General Effluent Monitoring Regulation, including the data recorded under subsection 14(1) and all positive numerical values at or above the analytical method detection limits calculated by the laboratory performing the analysis, together with the date on which each sample was collected and the method used to collect each sample.

(10) Each direct discharger shall, in accordance with subsection 7(6) of the General Effluent Monitoring Regulation, report to the Director the toxicity test information obtained under section 15, together with the date on which each sample was collected under section 15.

(11) The information required to be reported under subsection (4) constitutes results of analyses within the meaning of subsection 7(2) of the General Effluent Monitoring Regulation.

(12) Each direct discharger shall, with respect to each flow measuring device used in meeting the requirements of this Regulation, submit to the Director documentation of any calibration or certification of accuracy required by subsections 16(7) to (10) of this Regulation and subsections 6(1) and (2) of the General Regulation, no later than thirty days before the first use of the device for the purposes of this Regulation.

(13) Each direct discharger shall, with respect to each method, device or calculation for flow measurement or estimation to be used in meeting the requirements of this Regulation, other than methods, devices or calculations to be used to measure or estimate the volume of discharges of storm water, submit to the

Director, no later than thirty days before the first use of the method, device or calculation for the purposes of this Regulation, documentation sufficient to satisfy the Director that the method, device or calculation complies with the accuracy requirements of subsections 6(3) and (6) of the General Effluent Monitoring Regulation.

(14) Each direct discharger shall, no later than the 1st day of November, 1989, submit to the Director a description of the methods, devices and calculations to be used in measuring or estimating the volume of discharges of storm water under subsection 16(5), together with an assessment of the accuracy of those methods, devices and calculations.

(15) Each direct discharger shall submit to the Director documentation of each calibration performed under subsection 6(7) of the General Effluent Monitoring Regulation, by the 1st day of November, 1989 or within thirty days after the day on which the calibration was performed.

(16) Each direct discharger shall report to the Director the flow measurement information recorded under subsections 16(1) to (4) in respect of each process effluent stream, combined effluent stream, batch discharge effluent stream and once-through cooling water effluent stream of that discharger and the date on which each flow was measured or estimated.

(17) Each direct discharger shall submit to the Director a description of any methods, devices and calculations used in estimating the volume of a discharge of effluent under subsection 16(3), together with an assessment of the accuracy of those methods, devices and calculations, within sixty days after each such estimation.

(18) Each direct discharger shall report to the Director the information required to be recorded under subsection 16(5), as well as the date and location of each discharge and overflow measured or estimated under subsection 16(5).

(19) Each direct discharger shall report in writing to the Director the date, approximate duration and amount of rainfall of each storm event that occurs while section 11 is in force, within sixty days after each such storm event.

(20) Each direct discharger shall submit to the Director, at least thirty days before the collection of the first sample in each month, a schedule of sampling dates and times by sampling point location for all sampling to be done under sections 5, 9 and 10.

(21) Each direct discharger shall make every reasonable effort to follow the schedule submitted by the direct discharger under subsection (20) but if the schedule cannot be followed as submitted, the direct discharger shall notify the Director promptly of any change in dates or times.

(22) Within thirty days after the end of each quarter, each direct discharger shall submit a report to the Director stating the quantities of chemicals added to each once-through cooling water effluent stream of that discharger in the quarter, and stating the dates on which these additions occurred.

(23) Each direct discharger shall, no later than the 31st day of December, 1990, submit a report to the Director describing the variation in daily flow for a period of six months for each process effluent stream from which samples are collected under this Regulation other than by means described in clauses 3(4)(a), (b) and (e) of the General Effluent Monitoring Regulation.

(24) The report referred to in subsection (23) shall include the raw data and calculation methods used to produce the report.

(25) Each direct discharger shall keep records of all sampling required by this Regulation, including, for each sample, the date and time of collection, the sampling procedures used, the amount of sample dilution by preservative if dilution exceeds 1 per cent, and any incident likely to affect an analytical result.

(26) Each direct discharger shall develop a maintenance schedule for all sampling equipment and shall record the dates on which any maintenance action was taken, together with a description of the action.

(27) Each direct discharger shall keep records of all analytical methods used in meeting the requirements of this Regulation.

(28) Each direct discharger shall submit a report to the Director detailing the date, duration and cause of each sampling, toxicity testing, analytical and flow measurement malfunction or other problem that interferes with fulfilling the requirements of this Regulation, together with a description of any remedial action taken, within sixty days after the day on which the malfunction or problem occurs.

(29) Each direct discharger shall keep all records and reports required by this Regulation to be kept or made for a period of two years following the date of the last report submitted to the Director under this section.

Commencement

18.-(1) This Regulation, except sections 5 to 15 and subsections 16(1) to (6), comes into force on the day on which it is filed.

(2) Sections 5 to 15 and subsections 16(1) to (6) come into force on the 1st day of December, 1989.

Revocation

19. Sections 5 and 7 to 15 are revoked on the 1st day of December, 1990.

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)	N/A
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC) (NOTE 1)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Boron (NOTE A)	7440-42-8
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
9	Total metals (continued)	Silver	7440-22-4
		Strontium (NOTE B)	7440-24-6
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent)	Chromium (Hexavalent) (NOTE 2)	7440-47-3
12	Mercury	Mercury	7439-97-6
13	Total alkyl lead	This group does not apply to the Inorganic Chemical Manufacturing Sector	
14	Phenolics (4AAP)	Phenolics (4AAP)*	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
16	Volatiles, Halogenated (continued)	Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3 & 106-42-3
18	Volatiles, Water Soluble	Acrolein	107-02-8
		Acrylonitrile	107-13-1
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
19	Extractables, Base Neutral (continued)	Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Biphenyl (NOTE C)	92-52-4
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		Diphenyl ether (NOTE D)	10-184-8
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable
25	Solvent Extractables	Oil and grease	
26a	Fatty Acids	This group does not apply to the Inorganic Chemical Manufacturing Sector	
26b	Resin Acids		

SCHEDULE AA - MONITORING PARAMETERS - INORGANIC CHEMICAL SECTOR

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
27	PCBs (Total)	PCBs (Total)	Unavailable
IC1†	Chloride	Chloride	N/A
IC2†	Fluoride	Fluoride	N/A
IC3†	Sulphate	Sulphate	N/A

* 4AAP = 4-amino antipyrine method

† Analytical test group to be monitored in accordance with the Sampling Principles listed in Schedule BB and the Analytical Principles and Analytical Method Detection Limits listed in Schedule CC.

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 mg/L.
NOTE 2: Chromium (Hexavalent) is to be analyzed only if total chromium >1.0 mg/L.

NOTE A: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 9 in Schedule 2 and in Part A of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.05 mg/L.
NOTE B: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 9 in Schedule 2 and in Part A of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.02 mg/L.
NOTE C: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 µg/L.
NOTE D: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.4 µg/L.

SCHEDULE BB - SAMPLING PRINCIPLES

Column 1	Column 2	Column 3	Column 4	Col. 5	Column 6	Column 7
ANALYTICAL TEST GROUP	LABORATORY SAMPLE CONTAINER	LABORATORY CONTAINER PRE-TREATMENT	TEST SPECIFIC SAMPLING PRECAUTIONS	MIN. SAM. VOL.	PRESERVATION METHOD	MAX. STORAGE TIME (DAYS)
Chloride IC1	Sample containers and caps/liners must be composed only of one or more of the following materials: fluorocarbon resin, polyethylene terephthalate, glass, polystyrene, polypropylene, high or low density polyethylene. Metallic foil should not be used.	Generally no pre-treatment required for new containers.	If sample is high (>5%) in hydrocarbons or organic solvents, use glass or fluorocarbon resin sample container only.	50 mL	None	28
Fluoride IC2	See Analytical Test Group IC1	See Analytical Test Group IC1	See Analytical Test Group IC1	50 mL	See Analytical Test Group IC1	28
Sulphate IC3	See Analytical Test Group IC1	See Analytical Test Group IC1	See Analytical Test Group IC1	50 mL	See Analytical Test Group IC1	28

SCHEDULE CC - ANALYTICAL PRINCIPLES & ANALYTICAL METHOD DETECTION LIMITS

Column 1 ANALYTICAL TEST GROUP #	Column 2 PARAMETERS CONVENTIONAL AND METAL PARAMETERS	Column 3 SAMPLE PREPARATION METHOD PRINCIPLES	Column 4 INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	Column 5 ALTERNATE INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	Column 6 ANALYTICAL METHOD DETECTION LIMITS
IC1	Chloride	Preparation for measurement system as appropriate	Ion Chromatography or Colourimetry or Titration	N/A	2.0 mg/L
IC2	Fluoride	See Analytical Test Group IC1	Colourimetry or Specific Ion Electrode	N/A	0.1 mg/L
IC3	Sulphate	See Analytical Test Group IC1	Ion Chromatography	N/A	5.0 mg/L as SO4

LEGEND FOR SCHEDULES A - V

NOTE 1: Total organic carbon is to be analyzed only if the total suspended solids concentration exceeds 15 milligrams/litre.

NOTE 2: Chromium (Hexavalent) is to be analyzed only if total chromium is greater than 1.0 milligram/litre.

ATG - Analytical Test Group

D - Daily

TW - Thrice weekly

W - Weekly

M - Monthly

OTCW - Once-through Cooling Water

† Analytical Test Group to be monitored in accordance with the Sampling Principles listed in Schedule BB and the Analytical Principles and Analytical Method Detection Limits listed in Schedule CC.

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Genetron Effluent				Genetron East Storm Effluent	Mailloux Quarry Effluent	HF Bleed Effluent			
		EFFLUENT STREAM TYPE:	Process				Storm	Storm	Process			
		TOXICITY TEST REQUIRED:	No				No	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				None	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days						60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				None	None	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days						180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
2	Total cyanide	Total cyanide						XXX			XXX	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX	XXX			
4a	Nitrogen	Ammonia plus Ammonium				XXX		XXX				
		Total Kjeldahl nitrogen				XXX		XXX				
4b		Nitrate + Nitrite				XXX		XXX				
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX	XXX		XXX		
5b		Total organic carbon (TOC) (NOTE 1)		XXX			XXX	XXX		XXX		
6	Total phosphorus	Total phosphorus				XXX	XXX	XXX				XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX	XXX	XXX			
		Volatile suspended solids (VSS)										
9	Total metals	Aluminum				XXX	XXX	XXX				XXX
		Beryllium				XXX	XXX	XXX				XXX
		Boron				XXX	XXX	XXX				XXX
		Cadmium				XXX	XXX	XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Genetron Effluent				Genetron East Storm Effluent	Mailloux Quarry Effluent	HF Bleed Effluent			
		EFFLUENT STREAM TYPE:	Process				Storm	Storm	Process			
		TOXICITY TEST REQUIRED:	No				No	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	None	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Chromium				XXX	XXX	XXX				XXX
		Cobalt				XXX	XXX	XXX				XXX
		Copper				XXX	XXX	XXX		XXX		
		Lead				XXX	XXX	XXX				XXX
		Molybdenum				XXX	XXX	XXX			XXX	
		Nickel				XXX	XXX	XXX				XXX
		Silver				XXX	XXX	XXX			XXX	
		Strontium				XXX	XXX	XXX				XXX
		Thallium				XXX	XXX	XXX				XXX
		Vanadium				XXX	XXX	XXX			XXX	
		Zinc			XXX		XXX	XXX		XXX		
10	Hydrides	Antimony		XXX			XXX				XXX	
		Arsenic		XXX			XXX			XXX		
		Selenium				XXX	XXX					XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX	XXX				XXX
12	Mercury	Mercury			XXX			XXX		XXX		
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX							
15	Sulphide	Sulphide				XXX	XXX	XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Genetron Effluent				Genetron East Storm Effluent	Mailloux Quarry Effluent	HF Bleed Effluent			
		EFFLUENT STREAM TYPE:	Process				Storm	Storm	Process			
		TOXICITY TEST REQUIRED:	No				No	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	None	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane			XXX		XXX					
		1,1,2-Trichloroethane				XXX	XXX					
		1,1-Dichloroethane				XXX	XXX					
		1,1-Dichloroethylene				XXX	XXX					
		1,2-Dichlorobenzene				XXX	XXX					
		1,2-Dichloroethane (Ethylene dichloride)				XXX	XXX					
		1,2-Dichloropropane				XXX	XXX					
		1,3-Dichlorobenzene				XXX	XXX					
		1,4-Dichlorobenzene				XXX	XXX					
		Bromoform				XXX	XXX					
		Bromomethane				XXX	XXX					
		Carbon tetrachloride		XXX			XXX					
		Chlorobenzene				XXX	XXX					
		Chloroform		XXX			XXX					
		Chloromethane				XXX	XXX					
		Cis-1,3-Dichloropropylene				XXX	XXX					
		Dibromochloromethane				XXX	XXX					
		Ethylene dibromide				XXX	XXX					
		Methylene chloride		XXX			XXX					
		Tetrachloroethylene (Perchloroethylene)				XXX	XXX					
		Trans-1,2-Dichloroethylene				XXX	XXX					
		Trans-1,3-Dichloropropylene				XXX	XXX					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Genetron Effluent				Genetron East Storm Effluent	Mailloux Quarry Effluent	HF Bleed Effluent			
		EFFLUENT STREAM TYPE:	Process				Storm	Storm	Process			
		TOXICITY TEST REQUIRED:	No				No	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	None	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated (continued)	Trichloroethylene				XXX	XXX					
		Trichlorofluoromethane		XXX			XXX					
		Vinyl chloride (Chloroethylene)				XXX	XXX					
17	Volatiles, Non-Halogenated	Benzene				XXX						
		Styrene				XXX						
		Toluene		XXX								
		o-Xylene				XXX						
		m-Xylene and p-Xylene				XXX						
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX						
		1,2,3,5-Tetrachlorobenzene				XXX						
		1,2,4,5-Tetrachlorobenzene				XXX						
		1,2,3-Trichlorobenzene				XXX						
		1,2,4-Trichlorobenzene				XXX						
		2,4,5-Trichlorotoluene				XXX						
		Hexachlorobenzene				XXX						
		Hexachlorobutadiene				XXX						
		Hexachlorocyclopentadiene				XXX						
		Hexachloroethane				XXX						
		Octachlorostyrene				XXX						
		Pentachlorobenzene				XXX						

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Genetron Effluent				Genetron East Storm Effluent	Mailloux Quarry Effluent	HF Bleed Effluent			
		EFFLUENT STREAM TYPE:	Process				Storm	Storm	Process			
		TOXICITY TEST REQUIRED:	No				No	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				None	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days						60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				None	None	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days						180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				XXX						XXX
		Octachlorodibenzo-p-dioxin				XXX						XXX
		Octachlorodibenzofuran				XXX						XXX
		Total heptachlorinated dibenzo-p-dioxins				XXX						XXX
		Total heptachlorinated dibenzofurans				XXX						XXX
		Total hexachlorinated dibenzo-p-dioxins				XXX						XXX
		Total hexachlorinated dibenzofurans				XXX						XXX
		Total pentachlorinated dibenzo-p-dioxins				XXX						XXX
		Total pentachlorinated dibenzofurans				XXX						XXX
		Total tetrachlorinated dibenzo-p-dioxins				XXX						XXX
		Total tetrachlorinated dibenzofurans				XXX						XXX
25	Solvent Extractables	Oil and grease			XXX		XXX	XXX			XXX	
IC1†	Chloride	Chloride					XXX	XXX		XXX		
IC2†	Fluoride	Fluoride		XXX			XXX	XXX		XXX		
IC3†	Sulphate	Sulphate						XXX		XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	East Road Drain Effluent	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Storm	Process			
		TOXICITY TEST REQUIRED:	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
2	Total cyanide	Total cyanide					
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				
4a	Nitrogen	Ammonia plus Ammonium					
		Total Kjeldahl nitrogen					
4b		Nitrate + Nitrite					
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX				
5b		Total organic carbon (TOC) (NOTE 1)	XXX				
6	Total phosphorus	Total phosphorus	XXX				
7	Specific conductance	Specific conductance	XXX				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum	XXX				
		Beryllium	XXX				
		Boron	XXX				
		Cadmium	XXX				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	East Road Drain Effluent	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Storm	Process			
		TOXICITY TEST REQUIRED:	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
9	Total metals (continued)	Chromium	XXX				
		Cobalt	XXX				
		Copper	XXX				
		Lead	XXX				
		Molybdenum	XXX				
		Nickel	XXX				
		Silver	XXX				
		Strontium	XXX				
		Thallium	XXX				
		Vanadium	XXX				
		Zinc	XXX				
10	Hydrides	Antimony	XXX				
		Arsenic	XXX				
		Selenium	XXX				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX				
12	Mercury	Mercury					
14	Phenolics (4AAP)	Phenolics (4AAP)					
15	Sulphide	Sulphide	XXX				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	East Road Drain Effluent	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Storm	Process			
		TOXICITY TEST REQUIRED:	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane					XXX
		1,1,2-Trichloroethane					XXX
		1,1-Dichloroethane					XXX
		1,1-Dichloroethylene					XXX
		1,2-Dichlorobenzene					XXX
		1,2-Dichloroethane (Ethylene dichloride)					XXX
		1,2-Dichloropropane					XXX
		1,3-Dichlorobenzene					XXX
		1,4-Dichlorobenzene					XXX
		Bromoform					XXX
		Bromomethane					XXX
		Carbon tetrachloride			XXX		
		Chlorobenzene					XXX
		Chloroform			XXX		
		Chloromethane					XXX
		Cis-1,3-Dichloropropylene					XXX
		Dibromochloromethane					XXX
		Ethylene dibromide					XXX
		Methylene chloride			XXX		
		Tetrachloroethylene (Perchloroethylene)					XXX
		Trans-1,2-Dichloroethylene					XXX
		Trans-1,3-Dichloropropylene					XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	East Road Drain Effluent	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Storm	Process			
		TOXICITY TEST REQUIRED:	No	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	None	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
16	Volatiles, Halogenated (continued)	Trichloroethylene					XXX
		Trichlorofluoromethane			XXX		
		Vinyl chloride (Chloroethylene)					XXX
17	Volatiles, Non-Halogenated	Benzene					XXX
		Styrene					XXX
		Toluene			XXX		
		o-Xylene					XXX
		m-Xylene and p-Xylene					XXX
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene					XXX
		1,2,3,5-Tetrachlorobenzene					XXX
		1,2,4,5-Tetrachlorobenzene					XXX
		1,2,3-Trichlorobenzene					XXX
		1,2,4-Trichlorobenzene					XXX
		2,4,5-Trichlorotoluene					XXX
		Hexachlorobenzene					XXX
		Hexachlorobutadiene					XXX
		Hexachlorocyclopentadiene					XXX
		Hexachloroethane					XXX
		Octachlorostyrene					XXX
		Pentachlorobenzene					XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

NAME OF EFFLUENT STREAM:			East Road Drain Effluent	Hydrochloric Acid Stream			
EFFLUENT STREAM TYPE:			Storm	Process			
TOXICITY TEST REQUIRED:			No	No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin					
		Octachlorodibenzo-p-dioxin					
		Octachlorodibenzofuran					
		Total heptachlorinated dibenzo-p-dioxins					
		Total heptachlorinated dibenzofurans					
		Total hexachlorinated dibenzo-p-dioxins					
		Total hexachlorinated dibenzofurans					
		Total pentachlorinated dibenzo-p-dioxins					
		Total pentachlorinated dibenzofurans					
		Total tetrachlorinated dibenzo-p-dioxins					
		Total tetrachlorinated dibenzofurans					
25	Solvent Extractables	Oil and grease	XXX				
IC1†	Chloride	Chloride	XXX				
IC2†	Fluoride	Fluoride	XXX				
IC3†	Sulphate	Sulphate					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE B: AMHERSTBURG PLANT (GENERAL CHEMICAL CANADA LTD.)

		NAME OF EFFLUENT STREAM:	North Drain Effluent				Main Drain Effluent				Effluent to Soda Ash Settling Basin
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined
		TOXICITY TEST REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
2	Total cyanide	Total cyanide			XXX				XXX		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				
4a	Nitrogen	Ammonia plus Ammonium		XXX					XXX		
		Total Kjeldahl nitrogen		XXX					XXX		
4b		Nitrate + Nitrite			XXX				XXX		
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX		
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX		
6	Total phosphorus	Total phosphorus			XXX				XXX		
7	Specific conductance	Specific conductance	XXX				XXX				
8	Suspended solids (TSS/VSS)*	Total suspended solids (TSS)	XXX				XXX				
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum				XXX				XXX	XXX
		Beryllium				XXX				XXX	XXX
		Boron				XXX				XXX	XXX
		Cadmium				XXX				XXX	XXX
		Chromium				XXX				XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE B: AMHERSTBURG PLANT (GENERAL CHEMICAL CANADA LTD.)

		NAME OF EFFLUENT STREAM:	North Drain Effluent				Main Drain Effluent				Effluent to Soda Ash Settling Basin
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined
		TOXICITY TEST REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Cobalt				XXX				XXX	XXX
		Copper				XXX				XXX	XXX
		Lead				XXX				XXX	XXX
		Molybdenum				XXX				XXX	XXX
		Nickel				XXX				XXX	XXX
		Silver				XXX				XXX	XXX
		Strontium				XXX				XXX	XXX
		Thallium				XXX				XXX	XXX
		Vanadium				XXX				XXX	XXX
		Zinc				XXX				XXX	XXX
10	Hydrides	Antimony				XXX					XXX
		Arsenic				XXX					XXX
		Selenium				XXX					XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX			XXX		XXX
12	Mercury	Mercury			XXX				XXX		
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX				XXX		
15	Sulphide	Sulphide			XXX				XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE B: AMHERSTBURG PLANT (GENERAL CHEMICAL CANADA LTD.)

		NAME OF EFFLUENT STREAM:	North Drain Effluent				Main Drain Effluent				Effluent to Soda Ash Settling Basin
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined
		TOXICITY TEST REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX					
		1,1,2-Trichloroethane				XXX					
		1,1-Dichloroethane				XXX					
		1,1-Dichloroethylene				XXX					
		1,2-Dichlorobenzene				XXX					
		1,2-Dichloroethane (Ethylene dichloride)				XXX					
		1,2-Dichloropropane				XXX					
		1,3-Dichlorobenzene				XXX					
		1,4-Dichlorobenzene				XXX					
		Bromoform				XXX					
		Bromomethane				XXX					
		Carbon tetrachloride				XXX					
		Chlorobenzene				XXX					
		Chloroform				XXX					
		Chloromethane				XXX					
		Cis-1,3-Dichloropropylene				XXX					
		Dibromochloromethane				XXX					
		Ethylene dibromide				XXX					
		Methylene chloride				XXX					
		Tetrachloroethylene (Perchloroethylene)				XXX					
		Trans-1,2-Dichloroethylene				XXX					
		Trans-1,3-Dichloropropylene				XXX					
		Trichloroethylene				XXX					
		Trichlorofluoromethane				XXX					
		Vinyl chloride (Chloroethylene)				XXX					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE B: AMHERSTBURG PLANT (GENERAL CHEMICAL CANADA LTD.)

NAME OF EFFLUENT STREAM:			North Drain Effluent				Main Drain Effluent				Effluent to Soda Ash Settling Basin
EFFLUENT STREAM TYPE:			Combined				Combined				Combined
TOXICITY TEST REQUIRED:			Yes				Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
25	Solvent Extractables	Oil and grease			XXX				XXX		
IC1†	Chloride	Chloride		XXX				XXX			
IC2†	Fluoride	Fluoride		XXX				XXX			
IC3†	Sulphate	Sulphate		XXX				XXX			

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

		NAME OF EFFLUENT STREAM:	Sewer A				Sewer B				Sewer C			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	Yes				Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
	ANALYTICAL TEST GROUP	PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium				XXX							XXX	
		Total Kjeldahl nitrogen				XXX							XXX	
4b		Nitrate + Nitrite			XXX								XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX				XXX	
6	Total phosphorus	Total phosphorus			XXX				XXX				XXX	
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX			
		Volatile suspended solids (VSS)												
9	Total metals	Aluminum			XXX			XXX				XXX		
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium				XXX				XXX			XXX	
		Cobalt				XXX				XXX				XXX
		Copper				XXX				XXX			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

NAME OF EFFLUENT STREAM:			Sewer A				Sewer B				Sewer C			
EFFLUENT STREAM TYPE:			Combined				Combined				Combined			
TOXICITY TEST REQUIRED:			Yes				Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			No				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Lead				XXX				XXX				XXX
		Molybdenum				XXX				XXX			XXX	
		Nickel				XXX				XXX				XXX
		Silver				XXX				XXX				XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX			XXX	
		Vanadium				XXX				XXX				XXX
		Zinc				XXX			XXX				XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX			XXX	
12	Mercury	Mercury				XXX			XXX				XXX	
25	Solvent Extractables	Oil and grease			XXX				XXX				XXX	
IC3†	Sulphate	Sulphate										XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

NAME OF EFFLUENT STREAM:			Sewer D				Storm Sewer
EFFLUENT STREAM TYPE:			Combined				Storm
TOXICITY TEST REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium					XXX
		Total Kjeldahl nitrogen					XXX
4b		Nitrate + Nitrite					XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX
5b		Total orgánic carbon (TOC) (NOTE 1)			XXX		XXX
6	Total phosphorus	Total phosphorus			XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum		XXX			XXX
		Beryllium				XXX	XXX
		Boron				XXX	XXX
		Cadmium				XXX	XXX
		Chromium				XXX	XXX
		Cobalt				XXX	XXX
		Copper			XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

		NAME OF EFFLUENT STREAM:	Sewer D				Storm Sewer
		EFFLUENT STREAM TYPE:	Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals (continued)	Lead				XXX	XXX
		Molybdenum				XXX	XXX
		Nickel				XXX	XXX
		Silver				XXX	XXX
		Strontium				XXX	XXX
		Thallium				XXX	XXX
		Vanadium				XXX	XXX
		Zinc			XXX		XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX
12	Mercury	Mercury			XXX		XXX
25	Solvent Extractables	Oil and grease			XXX		XXX
IC3†	Sulphate	Sulphate					XXX

EFFLUENT MONITORING REGUALTION - INORGANIC CHEMICAL SECTOR

SCHEDULE D: CORNWALL WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Manhole 15				Effluent in LEL-2			
		EFFLUENT STREAM TYPE:	Process				Combined			
		TOXICITY TEST REQUIRED:	No				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks				60 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**								
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium				XXX				XXX
		Total Kjeldahl nitrogen				XXX				XXX
4b		Nitrate + Nitrite		XXX					XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)				XXX			XXX	
5b		Total organic carbon (TOC) (NOTE 1)				XXX			XXX	
6	Total phosphorus	Total phosphorus				XXX			XXX	
7	Specific conductance	Specific conductance	XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX			
		Volatile suspended solids (VSS)								
9	Total metals	Aluminum		XXX					XXX	
		Beryllium				XXX				XXX
		Boron				XXX				XXX
		Cadmium				XXX			XXX	
		Chromium				XXX			XXX	
		Cobalt				XXX				XXX
		Copper				XXX		XXX		

EFFLUENT MONITORING REGUALTION - INORGANIC CHEMICAL SECTOR

SCHEDULE D: CORNWALL WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Manhole 15				Effluent in LEL-2			
		EFFLUENT STREAM TYPE:	Process				Combined			
		TOXICITY TEST REQUIRED:	No				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
9	Total metals (continued)	Lead				XXX				XXX
		Molybdenum				XXX				XXX
		Nickel				XXX				XXX
		Silver				XXX				XXX
		Strontium				XXX				XXX
		Thallium				XXX				XXX
		Vanadium				XXX				XXX
		Zinc		XXX				XXX		
10	Hydrides	Antimony				XXX			XXX	
		Arsenic				XXX				XXX
		Selenium				XXX				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX			XXX	
12	Mercury	Mercury	XXX				XXX			
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX				XXX	
15	Sulphide	Sulphide								XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane								XXX
		1,1,2-Trichloroethane								XXX
		1,1-Dichloroethane								XXX
		1,1-Dichloroethylene								XXX

EFFLUENT MONITORING REGUALTION - INORGANIC CHEMICAL SECTOR

SCHEDULE D: CORNWALL WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Manhole 15				Effluent in LEL-2			
		EFFLUENT STREAM TYPE:	Process				Combined			
		TOXICITY TEST REQUIRED:	No				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Monthly 2 weeks				Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**								
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene								XXX
		1,2-Dichloroethane (Ethylene dichloride)								XXX
		1,2-Dichloropropane								XXX
		1,3-Dichlorobenzene								XXX
		1,4-Dichlorobenzene								XXX
		Bromoform								XXX
		Bromomethane								XXX
		Carbon tetrachloride								XXX
		Chlorobenzene								XXX
		Chloroform							XXX	
		Chloromethane								XXX
		Cis-1,3-Dichloropropylene								XXX
		Dibromochloromethane							XXX	
		Ethylene dibromide								XXX
		Methylene chloride								XXX
		Tetrachloroethylene (Perchloroethylene)							XXX	
		Trans-1,2-Dichloroethylene								XXX
		Trans-1,3-Dichloropropylene								XXX
		Trichloroethylene								XXX
		Trichlorofluoromethane								XXX
		Vinyl chloride (Chloroethylene)								XXX

EFFLUENT MONITORING REGUALTION - INORGANIC CHEMICAL SECTOR

SCHEDULE D: CORNWALL WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in Manhole 15				Effluent in LEL-2			
EFFLUENT STREAM TYPE:			Process				Combined			
TOXICITY TEST REQUIRED:			No				Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Monthly 2 weeks				Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX				XXX
		1,2,3,5-Tetrachlorobenzene				XXX				XXX
		1,2,4,5-Tetrachlorobenzene				XXX				XXX
		1,2,3-Trichlorobenzene				XXX				XXX
		1,2,4-Trichlorobenzene				XXX				XXX
		2,4,5-Trichlorotoluene				XXX				XXX
		Hexachlorobenzene				XXX				XXX
		Hexachlorobutadiene				XXX				XXX
		Hexachlorocyclopentadiene				XXX				XXX
		Hexachloroethane				XXX				XXX
		Octachlorostyrene				XXX				XXX
		Pentachlorobenzene				XXX				XXX
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				XXX				
		Octachlorodibenzo-p-dioxin				XXX				
		Octachlorodibenzofuran				XXX				
		Total heptachlorinated dibenzo-p-dioxins				XXX				
		Total heptachlorinated dibenzofurans				XXX				
		Total hexachlorinated dibenzo-p-dioxins				XXX				
		Total hexachlorinated dibenzofurans				XXX				
		Total pentachlorinated dibenzo-p-dioxins				XXX				
		Total pentachlorinated dibenzofurans				XXX				
		Total tetrachlorinated dibenzo-p-dioxins				XXX				
		Total tetrachlorinated dibenzofurans				XXX				

EFFLUENT MONITORING REGUALTION - INORGANIC CHEMICAL SECTOR

SCHEDULE D: CORNWALL WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Manhole 15				Effluent in LEL-2			
		EFFLUENT STREAM TYPE:	Process				Combined			
		TOXICITY TEST REQUIRED:	No				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
25	Solvent Extractables	Oil and grease			XXX				XXX	
IC1†	Chloride	Chloride						XXX		
IC3†	Sulphate	Sulphate						XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE E: CORNWALL WORKS (STANCHEM, A DIVISION OF C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Conpac			
		EFFLUENT STREAM TYPE:	Batch			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
4a	Nitrogen	Ammonia plus Ammonium				XXX
		Total Kjeldahl nitrogen				XXX
4b		Nitrate + Nitrite		XXX		
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum		XXX		
		Beryllium				XXX
		Boron				XXX
		Cadmium		XXX		
		Chromium		XXX		
		Cobalt				XXX
		Copper		XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE E: CORNWALL WORKS (STANCHEM, A DIVISION OF C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Conpac			
		EFFLUENT STREAM TYPE:	Batch			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Lead		XXX		
		Molybdenum				XXX
		Nickel			XXX	
		Silver				XXX
		Strontium				XXX
		Thallium		XXX		
		Vanadium				XXX
		Zinc		XXX		
10	Hydrides	Antimony			XXX	
		Arsenic				XXX
		Selenium				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)		XXX		
12	Mercury	Mercury		XXX		
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX
		1,1,2-Trichloroethane				XXX
		1,1-Dichloroethane				XXX
		1,1-Dichloroethylene				XXX
		1,2-Dichlorobenzene				XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE E: CORNWALL WORKS (STANCHEM, A DIVISION OF C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from Conpac			
EFFLUENT STREAM TYPE:			Batch			
TOXICITY TEST REQUIRED:			Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days			
QUALITY CONTROL MONITORING REQUIRED:			No			
FREQUENCY OF SAMPLING:			D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	1,2-Dichloropropane				XXX
		1,3-Dichlorobenzene				XXX
		1,4-Dichlorobenzene				XXX
		Bromoform				XXX
		Bromomethane				XXX
		Carbon tetrachloride				XXX
		Chlorobenzene				XXX
		Chloroform		XXX		
		Chloromethane		XXX		
		Cis-1,3-Dichloropropylene				XXX
		Dibromochloromethane			XXX	
		Ethylene dibromide				XXX
		Methylene chloride				XXX
		Tetrachloroethylene (Perchloroethylene)			XXX	
		Trans-1,2-Dichloroethylene				XXX
		Trans-1,3-Dichloropropylene				XXX
		Trichloroethylene				XXX
		Trichlorofluoromethane				XXX
		Vinyl chloride (Chloroethylene)				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE E: CORNWALL WORKS (STANCHEM, A DIVISION OF C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Conpac			
		EFFLUENT STREAM TYPE:	Batch			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX
		1,2,3,5-Tetrachlorobenzene				XXX
		1,2,4,5-Tetrachlorobenzene				XXX
		1,2,3-Trichlorobenzene				XXX
		1,2,4-Trichlorobenzene				XXX
		2,4,5-Trichlorotoluene				XXX
		Hexachlorobenzene				XXX
		Hexachlorobutadiene				XXX
		Hexachlorocyclopentadiene				XXX
		Hexachloroethane				XXX
		Octachlorostyrene				XXX
		Pentachlorobenzene				XXX
25	Solvent Extractables	Oil and grease			XXX	
IC1†	Chloride	Chloride		XXX		
IC3†	Sulphate	Sulphate		XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE F: ELMIRA PLANT (SULCO CHEMICALS LIMITED)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent
		EFFLUENT STREAM TYPE:	Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
2	Total cyanide	Total cyanide			XXX		XXX
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX	XXX
		Total Kjeldahl nitrogen				XXX	XXX
4b		Nitrate + Nitrite			XXX		XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX		XXX
6	Total phosphorus	Total phosphorus		XXX			XXX
7	Specific conductance	Specific conductance	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum		XXX			XXX
		Beryllium				XXX	XXX
		Boron				XXX	XXX
		Cadmium				XXX	XXX
		Chromium				XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE F: ELMIRA PLANT (SULCO CHEMICALS LIMITED)

NAME OF EFFLUENT STREAM:			Final Effluent				Storm Effluent
EFFLUENT STREAM TYPE:			Combined				Storm
TOXICITY TEST REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total Metals (continued)	Cobalt				XXX	XXX
		Copper				XXX	XXX
		Lead				XXX	XXX
		Molybdenum				XXX	XXX
		Nickel				XXX	XXX
		Silver				XXX	XXX
		Strontium				XXX	XXX
		Thallium				XXX	XXX
		Vanadium		XXX			XXX
		Zinc		XXX			XXX
10	Hydrides	Antimony				XXX	XXX
		Arsenic		XXX			XXX
		Selenium				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)		XXX			XXX
15	Sulphide	Sulphide			XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE F: ELMIRA PLANT (SULCO CHEMICALS LIMITED)

NAME OF EFFLUENT STREAM:			Final Effluent				Storm Effluent
EFFLUENT STREAM TYPE:			Combined				Storm
TOXICITY TEST REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
17	Volatiles, Non-Halogenated	Benzene				XXX	XXX
		Styrene				XXX	XXX
		Toluene		XXX			XXX
		o-Xylene				XXX	XXX
		m-Xylene and p-Xylene				XXX	XXX
25	Solvent Extractables	Oil and grease			XXX		XXX
IC1†	Chloride	Chloride		XXX			XXX
IC2†	Fluoride	Fluoride		XXX			XXX
IC3†	Sulphate	Sulphate		XXX			XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE G: HAMILTON PLANT (COLUMBIAN CHEMICALS CANADA LTD.)

NAME OF EFFLUENT STREAM:			West Outfall	East Outfall
EFFLUENT STREAM TYPE:			Storm	Storm
TOXICITY TEST REQUIRED:			No	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
QUALITY CONTROL MONITORING REQUIRED:			No	No
FREQUENCY OF SAMPLING:			M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	XXX
		Beryllium	XXX	XXX
		Boron	XXX	XXX
		Cadmium	XXX	XXX
		Chromium	XXX	XXX
		Cobalt	XXX	XXX
		Copper	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE G: HAMILTON PLANT (COLUMBIAN CHEMICALS CANADA LTD.)

		NAME OF EFFLUENT STREAM:	West Outfall	East Outfall
		EFFLUENT STREAM TYPE:	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Lead	XXX	XXX
		Molybdenum	XXX	XXX
		Nickel	XXX	XXX
		Silver	XXX	XXX
		Strontium	XXX	XXX
		Thallium	XXX	XXX
		Vanadium	XXX	XXX
		Zinc	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX
12	Mercury	Mercury	XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX
15	Sulphide	Sulphide	XXX	XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	XXX	XXX
		1,1,2-Trichloroethane	XXX	XXX
		1,1-Dichloroethane	XXX	XXX
		1,1-Dichloroethylene	XXX	XXX
		1,2-Dichlorobenzene	XXX	XXX
		1,2-Dichloroethane (Ethylene dichloride)	XXX	XXX
		1,2-Dichloropropane	XXX	XXX
		1,3-Dichlorobenzene	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE G: HAMILTON PLANT (COLUMBIAN CHEMICALS CANADA LTD.)

		NAME OF EFFLUENT STREAM:	West Outfall	East Outfall
		EFFLUENT STREAM TYPE:	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	1,4-Dichlorobenzene	XXX	XXX
		Bromoform	XXX	XXX
		Bromomethane	XXX	XXX
		Carbon tetrachloride	XXX	XXX
		Chlorobenzene	XXX	XXX
		Chloroform	XXX	XXX
		Chloromethane	XXX	XXX
		Cis-1,3-Dichloropropylene	XXX	XXX
		Dibromochloromethane	XXX	XXX
		Ethylene dibromide	XXX	XXX
		Methylene chloride	XXX	XXX
		Tetrachloroethylene (Perchloroethylene)	XXX	XXX
		Trans-1,2-Dichloroethylene	XXX	XXX
		Trans-1,3-Dichloropropylene	XXX	XXX
		Trichloroethylene	XXX	XXX
		Trichlorofluoromethane	XXX	XXX
		Vinyl chloride (Chloroethylene)	XXX	XXX
25	Solvent Extractables	Oil and grease	XXX	XXX
1C1†	Chloride	Chloride	XXX	XXX
1C3†	Sulphate	Sulphate	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen Ion (pH)	XXX				XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX				XXX			
		Total Kjeldahl nitrogen	XXX						XXX		XXX			
4b		Nitrate + Nitrite	XXX				XXX				XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX				XXX	
6	Total phosphorus	Total phosphorus			XXX		XXX					XXX		
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX			
		Volatile suspended solids (VSS)												
9	Total metals	Aluminum			XXX				XXX					XXX
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium			XXX					XXX			XXX	
		Cobalt				XXX				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
EFFLUENT STREAM TYPE:			Process				Combined				Combined			
TOXICITY TEST REQUIRED:			No				No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Copper				XXX				XXX				XXX
		Lead				XXX				XXX				XXX
		Molybdenum				XXX				XXX				XXX
		Nickel			XXX					XXX				XXX
		Silver				XXX			XXX					XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium			XXX					XXX			XXX	
		Zinc			XXX					XXX			XXX	
10	Hydrides	Antimony								XXX				
		Arsenic								XXX				
		Selenium								XXX				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)			XXX					XXX			XXX	
12	Mercury	Mercury								XXX				
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX			XXX					XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane								XXX				XXX
		1,1,2-Trichloroethane								XXX				XXX
		1,1-Dichloroethane								XXX				XXX
		1,1-Dichloroethylene								XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene								XXX				XXX
		1,2-Dichloroethane (Ethylene dichloride)								XXX				XXX
		1,2-Dichloropropane								XXX				XXX
		1,3-Dichlorobenzene								XXX				XXX
		1,4-Dichlorobenzene								XXX				XXX
		Bromoform								XXX				XXX
		Bromomethane								XXX				XXX
		Carbon tetrachloride								XXX				XXX
		Chlorobenzene								XXX				XXX
		Chloroform								XXX				XXX
		Chloromethane								XXX				XXX
		Cis-1,3-Dichloropropylene								XXX				XXX
		Dibromochloromethane								XXX				XXX
		Ethylene dibromide								XXX				XXX
		Methylene chloride								XXX				XXX
		Tetrachloroethylene (Perchloroethylene)								XXX				XXX
		Trans-1,2-Dichloroethylene								XXX				XXX
		Trans-1,3-Dichloropropylene								XXX				XXX
		Trichloroethylene								XXX				XXX
		Trichlorofluoromethane								XXX				XXX
		Vinyl chloride (Chloroethylene)								XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
17	Volatiles, Non-Halogenated	Benzene								XXX				
		Styrene								XXX				
		Toluene								XXX				
		o-Xylene								XXX				
		m-Xylene and p-Xylene								XXX				
19	Extractables, Base Neutral	Acenaphthene												
		5-nitro Acenaphthene												
		Acenaphthylene												
		Anthracene												
		Benz(a)anthracene												
		Benzo(a)pyrene												
		Benzo(b)fluoranthene												
		Benzo(g,h,i)perylene												
		Benzo(k)fluoranthene												
		Biphenyl												
		Camphene												
		1-Chloronaphthalene												
		2-Chloronaphthalene												
		Chrysene												
		Dibenz(a,h)anthracene												
		Fluoranthene												
		Fluorene												
		Indeno(1,2,3-cd)pyrene												

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
EFFLUENT STREAM TYPE:			Process				Combined				Combined			
TOXICITY TEST REQUIRED:			No				No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Quarterly				Quarterly				Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually				Semi-annually				Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days				180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
19	Extractables, Base Neutral (continued)	Indole												
		1-Methylnaphthalene												
		2-Methylnaphthalene												
		Naphthalene												
		Perylene												
		Phenanthrene												
		Pyrene												
		Benzyl butyl phthalate								XXX				
		Bis(2-ethylhexyl) phthalate								XXX				
		Di-n-butyl phthalate								XXX				
		4-Bromophenyl phenyl ether								XXX				
		4-Chlorophenyl phenyl ether								XXX				
		Bis(2-chloroisopropyl)ether								XXX				
		Bis(2-chloroethyl)ether								XXX				
		Diphenyl ether								XXX				
		2,4-Dinitrotoluene					XXX							
		2,6-Dinitrotoluene					XXX							
		Bis(2-chloroethoxy)methane								XXX				
		Diphenylamine								XXX				
		N-Nitrosodiphenylamine								XXX				
		N-Nitrosodi-n-propylamine								XXX				
25	Solvent Extractables	Oil and grease			XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
EFFLUENT STREAM TYPE:			Process				Combined				Combined			
TOXICITY TEST REQUIRED:			No				No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Quarterly				Quarterly				Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually				Semi-annually				Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days				180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
IC2†	Fluoride	Fluoride			XXX		XXX					XXX		
IC3†	Sulphate	Sulphate		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX				XXX			
		Total Kjeldahl nitrogen	XXX				XXX				XXX			
4b		Nitrate + Nitrite	XXX				XXX				XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX				XXX	
6	Total phosphorus	Total phosphorus			XXX				XXX				XXX	
7	Specific conductance	Specific conductance	XXX				XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX			
		Volatile suspended solids (VSS)												
9	Total metals	Aluminum				XXX				XXX				XXX
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX
		Chromium				XXX				XXX				XXX
		Cobalt				XXX				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
9	Total metals (continued)	Copper				XXX				XXX				XXX
		Lead				XXX				XXX				XXX
		Molybdenum				XXX				XXX				XXX
		Nickel				XXX				XXX				XXX
		Silver				XXX				XXX				XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium				XXX				XXX				XXX
		Zinc				XXX				XXX				XXX
10	Hydrides	Antimony												XXX
		Arsenic												XXX
		Selenium												XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX				XXX
12	Mercury	Mercury												
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX				XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane												
		1,1,2-Trichloroethane												
		1,1-Dichloroethane												
		1,1-Dichloroethylene												

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene												
		1,2-Dichloroethane (Ethylene dichloride)												
		1,2-Dichloropropane												
		1,3-Dichlorobenzene												
		1,4-Dichlorobenzene												
		Bromoform												
		Bromomethane												
		Carbon tetrachloride												
		Chlorobenzene												
		Chloroform												
		Chloromethane												
		Cis-1,3-Dichloropropylene												
		Dibromochloromethane												
		Ethylene dibromide												
		Methylene chloride												
		Tetrachloroethylene (Perchloroethylene)												
		Trans-1,2-Dichloroethylene												
		Trans-1,3-Dichloropropylene												
		Trichloroethylene												
		Trichlorofluoromethane												
		Vinyl chloride (Chloroethylene)												

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
17	Volatiles, Non-Halogenated	Benzene												XXX
		Styrene												XXX
		Toluene												XXX
		o-Xylene												XXX
		m-Xylene and p-Xylene												XXX
19	Extractables, Base Neutral	Acenaphthene												
		5-nitro Acenaphthene												
		Acenaphthylene												
		Anthracene												
		Benz(a)anthracene												
		Benzo(a)pyrene												
		Benzo(b)fluoranthene												
		Benzo(g,h,i)perylene												
		Benzo(k)fluoranthene												
		Biphenyl												
		Camphene												
		1-Chloronaphthalene												
		2-Chloronaphthalene												
		Chrysene												
		Dibenz(a,h)anthracene												
		Fluoranthene												
		Fluorene												
		Indeno(1,2,3-cd)pyrene												

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
EFFLUENT STREAM TYPE:			Combined				Combined				Combined			
TOXICITY TEST REQUIRED:			No				No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			No				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Indole												
		1-Methylnaphthalene												
		2-Methylnaphthalene												
		Naphthalene												
		Perylene												
		Phenanthrene												
		Pyrene												
		Benzyl butyl phthalate												
		Bis(2-ethylhexyl) phthalate												
		Di-n-butyl phthalate												
		4-Bromophenyl phenyl ether												
		4-Chlorophenyl phenyl ether												
		Bis(2-chloroisopropyl)ether												
		Bis(2-chloroethyl)ether												
		Diphenyl ether												
		2,4-Dinitrotoluene												
		2,6-Dinitrotoluene												
		Bis(2-chloroethoxy)methane												
		Diphenylamine												
		N-Nitrosodiphenylamine												
		N-Nitrosodi-n-propylamine												
25	Solvent Extractables	Oil and grease			XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe				Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
IC2†	Fluoride	Fluoride												
IC3†	Sulphate	Sulphate			XXX									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Semi-annually				Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				60 days				
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually				Semi-annually				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days				
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**									
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX				XXX	XXX
		Total Kjeldahl nitrogen				XXX				XXX	
4b		Nitrate + Nitrite				XXX				XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX		XXX
6	Total phosphorus	Total phosphorus			XXX				XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum				XXX				XXX	
		Beryllium				XXX				XXX	
		Boron				XXX				XXX	
		Cadmium				XXX				XXX	
		Chromium				XXX				XXX	
		Cobalt				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Copper				XXX				XXX	
		Lead				XXX				XXX	
		Molybdenum				XXX				XXX	
		Nickel				XXX				XXX	
		Silver				XXX				XXX	
		Strontium				XXX				XXX	
		Thallium				XXX				XXX	
		Vanadium				XXX				XXX	
		Zinc				XXX				XXX	
10	Hydrides	Antimony				XXX				XXX	
		Arsenic				XXX				XXX	
		Selenium				XXX				XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX	
12	Mercury	Mercury									
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane									
		1,1,2-Trichloroethane									
		1,1-Dichloroethane									
		1,1-Dichloroethylene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
		EFFLUENT STREAM TYPE:	Batch				Combined				OTCW
		TOXICITY TEST REQUIRED:	No				No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene									
		1,2-Dichloroethane (Ethylene dichloride)									
		1,2-Dichloropropane									
		1,3-Dichlorobenzene									
		1,4-Dichlorobenzene									
		Bromoform									
		Bromomethane									
		Carbon tetrachloride									
		Chlorobenzene									
		Chloroform									
		Chloromethane									
		Cis-1,3-Dichloropropylene									
		Dibromochloromethane									
		Ethylene dibromide									
		Methylene chloride									
		Tetrachloroethylene (Perchloroethylene)									
		Trans-1,2-Dichloroethylene									
		Trans-1,3-Dichloropropylene									
		Trichloroethylene									
		Trichlorofluoromethane									
		Vinyl chloride (Chloroethylene)									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
		EFFLUENT STREAM TYPE:	Batch				Combined				OTCW
		TOXICITY TEST REQUIRED:	No				No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				60 days				
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
17	Volatiles, Non-Halogenated	Benzene									
		Styrene									
		Toluene									
		o-Xylene									
		m-Xylene and p-Xylene									
19	Extractables, Base Neutral	Acenaphthene									
		5-nitro Acenaphthene									
		Acenaphthylene									
		Anthracene									
		Benz(a)anthracene									
		Benzo(a)pyrene									
		Benzo(b)fluoranthene									
		Benzo(g,h,i)perylene									
		Benzo(k)fluoranthene									
		Biphenyl									
		Camphene									
		1-Chloronaphthalene									
		2-Chloronaphthalene									
		Chrysene									
		Dibenz(a,h)anthracene									
		Fluoranthene									
		Fluorene									
		Indeno(1,2,3-cd)pyrene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	Indole									
		1-Methylnaphthalene									
		2-Methylnaphthalene									
		Naphthalene									
		Perylene									
		Phenanthrene									
		Pyrene									
		Benzyl butyl phthalate									
		Bis(2-ethylhexyl) phthalate									
		Di-n-butyl phthalate									
		4-Bromophenyl phenyl ether									
		4-Chlorophenyl phenyl ether									
		Bis(2-chloroisopropyl)ether									
		Bis(2-chloroethyl)ether									
		Diphenyl ether									
		2,4-Dinitrotoluene									
		2,6-Dinitrotoluene									
		Bis(2-chloroethoxy)methane									
		Diphenylamine									
		N-Nitrosodiphenylamine									
		N-Nitrosodi-n-propylamine									
25	Solvent Extractables	Oil and grease			XXX				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
		EFFLUENT STREAM TYPE:	Batch				Combined				OTCW
		TOXICITY TEST REQUIRED:	No				No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Semi-annually 180 days				Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**									
IC2†	Fluoride	Fluoride									
IC3†	Sulphate	Sulphate			XXX				XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent In Open Ditch from Ammonia Storage	Plant Final Effluent			
		EFFLUENT STREAM TYPE:	OTCW	Combined			
		TOXICITY TEST REQUIRED:	No	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	XXX	XXX			
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX
		Total Kjeldahl nitrogen					XXX
4b		Nitrate + Nitrite					XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX				XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX				XXX
6	Total phosphorus	Total phosphorus	XXX			XXX	
7	Specific conductance	Specific conductance	XXX	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX			
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum					
		Beryllium					
		Boron					
		Cadmium					
		Chromium					
		Cobalt					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:			OTCW	Combined			
TOXICITY TEST REQUIRED:			No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**			None	Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**			None	Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
9	Total metals (continued)	Copper					
		Lead					
		Molybdenum					
		Nickel					
		Silver					
		Strontium					
		Thallium					
		Vanadium					
		Zinc					
10	Hydrides	Antimony	XXX				
		Arsenic	XXX				
		Selenium	XXX				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)					
12	Mercury	Mercury					
14	Phenolics (4AAP)	Phenolics (4AAP)					
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane					
		1,1,2-Trichloroethane					
		1,1-Dichloroethane					
		1,1-Dichloroethylene					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:			OTCW	Combined			
TOXICITY TEST REQUIRED:			No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			None	Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			None	Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene					
		1,2-Dichloroethane (Ethylene dichloride)					
		1,2-Dichloropropane					
		1,3-Dichlorobenzene					
		1,4-Dichlorobenzene					
		Bromoform					
		Bromomethane					
		Carbon tetrachloride					
		Chlorobenzene					
		Chloroform					
		Chloromethane					
		Cis-1,3-Dichloropropylene					
		Dibromochloromethane					
		Ethylene dibromide					
		Methylene chloride					
		Tetrachloroethylene (Perchloroethylene)					
		Trans-1,2-Dichloroethylene					
		Trans-1,3-Dichloropropylene					
		Trichloroethylene					
		Trichlorofluoromethane					
		Vinyl chloride (Chloroethylene)					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:			OTCW	Combined			
TOXICITY TEST REQUIRED:			No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
17	Volatiles, Non-Halogenated	Benzene					
		Styrene					
		Toluene					
		o-Xylene					
		m-Xylene and p-Xylene					
19	Extractables, Base Neutral	Acenaphthene					
		5-nitro Acenaphthene					
		Acenaphthylene					
		Anthracene					
		Benz(a)anthracene					
		Benzo(a)pyrene					
		Benzo(b)fluoranthene					
		Benzo(g,h,i)perylene					
		Benzo(k)fluoranthene					
		Biphenyl					
		Camphene					
		1-Chloronaphthalene					
		2-Chloronaphthalene					
		Chrysene					
		Dibenz(a,h)anthracene					
		Fluoranthene					
		Fluorene					
		Indeno(1,2,3-cd)pyrene					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent In Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:			OTCW	Combined			
TOXICITY TEST REQUIRED:			No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Indole					
		1-Methylnaphthalene					
		2-Methylnaphthalene					
		Naphthalene					
		Perylene					
		Phenanthrene					
		Pyrene					
		Benzyl butyl phthalate					
		Bis(2-ethylhexyl) phthalate					
		Di-n-butyl phthalate					
		4-Bromophenyl phenyl ether					
		4-Chlorophenyl phenyl ether					
		Bis(2-chloroisopropyl)ether					
		Bis(2-chloroethyl)ether					
		Diphenyl ether					
		2,4-Dinitrotoluene					
		2,6-Dinitrotoluene					
		Bis(2-chloroethoxy)methane					
		Diphenylamine					
		N-Nitrosodiphenylamine					
		N-Nitrosodi-n-propylamine					
25	Solvent Extractables	Oil and grease	XXX			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
		EFFLUENT STREAM TYPE:	OTCW	Combined			
		TOXICITY TEST REQUIRED:	No	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
IC2†	Fluoride	Fluoride					
IC3†	Sulphate	Sulphate					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

NAME OF EFFLUENT STREAM:	Final Effluent
EFFLUENT STREAM TYPE:	Combined
TOXICITY TEST REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks
QUALITY CONTROL MONITORING REQUIRED:	Yes

	ANALYTICAL TEST GROUP	PARAMETERS TO BE ANALYZED	D	TW	W	M
		FREQUENCY OF SAMPLING:	D	TW	W	M
3	Hydrogen ion (pH)	Hydrogen Ion (pH)	XXX			
4a	Nitrogen	Ammonia plus Ammonium	XXX			
		Total Kjeldahl nitrogen	XXX			
4b		Nitrate + Nitrite	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum			XXX	
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX
		Thallium				XXX
		Vanadium			XXX	
		Zinc			XXX	
10	Hydrides	Antimony				XXX
		Arsenic			XXX	
		Selenium			XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
12	Mercury	Mercury			XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX
		1,1,2-Trichloroethane				XXX
		1,1-Dichloroethane			XXX	
		1,1-Dichloroethylene			XXX	
		1,2-Dichlorobenzene				XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	1,2-Dichloropropane				XXX
		1,3-Dichlorobenzene				XXX
		1,4-Dichlorobenzene			XXX	
		Bromoform				XXX
		Bromomethane				XXX
		Carbon tetrachloride			XXX	
		Chlorobenzene				XXX
		Chloroform			XXX	
		Chloromethane				XXX
		Cis-1,3-Dichloropropylene				XXX
		Dibromochloromethane				XXX
		Ethylene dibromide				XXX
		Methylene chloride				XXX
		Tetrachloroethylene (Perchloroethylene)			XXX	
		Trans-1,2-Dichloroethylene				XXX
		Trans-1,3-Dichloropropylene				XXX
		Trichloroethylene			XXX	
		Trichlorofluoromethane				XXX
		Vinyl chloride (Chloroethylene)				XXX
17	Volatiles, Non-Halogenated	Benzene				XXX
		Styrene				XXX
		Toluene				XXX
		o-Xylene				XXX
		m-Xylene and p-Xylene				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral	Acenaphthene				XXX
		5-nitro Acenaphthene				XXX
		Acenaphthylene				XXX
		Anthracene				XXX
		Benz(a)anthracene				XXX
		Benzo(a)pyrene				XXX
		Benzo(b)fluoranthene				XXX
		Benzo(g,h,i)perylene				XXX
		Benzo(k)fluoranthene				XXX
		Biphenyl				XXX
		Camphene				XXX
		1-Chloronaphthalene				XXX
		2-Chloronaphthalene				XXX
		Chrysene				XXX
		Dibenz(a,h)anthracene				XXX
		Fluoranthene				XXX
		Fluorene				XXX
		Indeno(1,2,3-cd)pyrene				XXX
		Indole				XXX
		1-Methylnaphthalene				XXX
		2-Methylnaphthalene				XXX
		Naphthalene				XXX
		Perylene				XXX
		Phenanthrene				XXX
						XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Benzyl butyl phthalate				XXX
		Bis(2-ethylhexyl) phthalate				XXX
		Di-n-butyl phthalate				XXX
		4-Bromophenyl phenyl ether				XXX
		4-Chlorophenyl phenyl ether				XXX
		Bis(2-chloroisopropyl)ether				XXX
		Bis(2-chloroethyl)ether				XXX
		Diphenyl ether				XXX
		2,4-Dinitrotoluene				XXX
		2,6-Dinitrotoluene				XXX
		Bis(2-chloroethoxy)methane				XXX
		Diphenylamine				XXX
		N-Nitrosodiphenylamine				XXX
		N-Nitrosodi-n-propylamine				XXX
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				XXX
		2,3,4,6-Tetrachlorophenol				XXX
		2,3,5,6-Tetrachlorophenol				XXX
		2,3,4-Trichlorophenol				XXX
		2,3,5-Trichlorophenol				XXX
		2,4,5-Trichlorophenol				XXX
		2,4,6-Trichlorophenol				XXX
		2,4-Dimethyl phenol				XXX
		2,4-Dinitrophenol				XXX
		2,4-Dichlorophenol				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
20	Extractables, Acid (Phenolics) (continued)	2,6-Dichlorophenol				XXX
		4,6-Dinitro-o-cresol				XXX
		2-Chlorophenol				XXX
		4-Chloro-3-methylphenol				XXX
		4-Nitrophenol				XXX
		m-Cresol				XXX
		o-Cresol				XXX
		p-Cresol				XXX
		Pentachlorophenol				XXX
		Phenol			XXX	
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX
		1,2,3,5-Tetrachlorobenzene				XXX
		1,2,4,5-Tetrachlorobenzene				XXX
		1,2,3-Trichlorobenzene				XXX
		1,2,4-Trichlorobenzene				XXX
		2,4,5-Trichlorotoluene				XXX
		Hexachlorobenzene				XXX
		Hexachlorobutadiene				XXX
		Hexachlorocyclopentadiene				XXX
		Hexachloroethane				XXX
		Octachlorostyrene				XXX
		Pentachlorobenzene				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

NAME OF EFFLUENT STREAM:			Final Effluent			
EFFLUENT STREAM TYPE:			Combined			
TOXICITY TEST REQUIRED:			Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Monthly 2 weeks			
QUALITY CONTROL MONITORING REQUIRED:			Yes			
FREQUENCY OF SAMPLING:			D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				XXX
		Octachlorodibenzo-p-dioxin				XXX
		Octachlorodibenzofuran				XXX
		Total heptachlorinated dibenzo-p-dioxins				XXX
		Total heptachlorinated dibenzofurans				XXX
		Total hexachlorinated dibenzo-p-dioxins				XXX
		Total hexachlorinated dibenzofurans				XXX
		Total pentachlorinated dibenzo-p-dioxins				XXX
		Total pentachlorinated dibenzofurans				XXX
		Total tetrachlorinated dibenzo-p-dioxins				XXX
		Total tetrachlorinated dibenzofurans				XXX
25	Solvent Extractables	Oil and grease			XXX	
27	Polychlorinated Biphenyls	PCBs (Total)			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE J: NIAGARA PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent to Whitty Creek				Effluent to Hydro Canal			
		EFFLUENT STREAM TYPE:	Combined				Combined			
		TOXICITY TEST REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**								
2	Total cyanide	Total cyanide		XXX				XXX		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium				XXX				XXX
		Total Kjeldahl nitrogen				XXX				XXX
4b		Nitrate + Nitrite			XXX					XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX	
6	Total phosphorus	Total phosphorus			XXX				XXX	
7	Specific conductance	Specific conductance	XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX			
		Volatile suspended solids (VSS)								
9	Total metals	Aluminum				XXX				XXX
		Beryllium				XXX				XXX
		Boron				XXX				XXX
						XXX				XXX
						XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE J: NIAGARA PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent to Whitty Creek				Effluent to Hydro Canal			
		EFFLUENT STREAM TYPE:	Combined				Combined			
		TOXICITY TEST REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
9	Total metals (continued)	Cobalt				XXX				XXX
		Copper				XXX				XXX
		Lead				XXX				XXX
		Molybdenum				XXX				XXX
		Nickel				XXX				XXX
		Silver				XXX				XXX
		Strontium				XXX				XXX
		Thallium				XXX				XXX
		Vanadium				XXX				XXX
		Zinc				XXX				XXX
10	Hydrides	Antimony				XXX				XXX
		Arsenic				XXX				XXX
		Selenium				XXX				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX
12	Mercury	Mercury			XXX					XXX
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX
19	Extractables, Base Neutral	Acenaphthene				XXX				XXX
		5-nitro Acenaphthene				XXX				XXX
		Acenaphthylene				XXX				XXX
		Anthracene				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE J: NIAGARA PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent to Whitty Creek				Effluent to Hydro Canal			
		EFFLUENT STREAM TYPE:	Combined				Combined			
		TOXICITY TEST REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**								
19	Extractables, Base Neutral (continued)	Benz(a)anthracene				XXX				XXX
		Benzo(a)pyrene				XXX				XXX
		Benzo(b)fluoranthene				XXX				XXX
		Benzo(g,h,i)perylene				XXX				XXX
		Benzo(k)fluoranthene				XXX				XXX
		Biphenyl				XXX				XXX
		Camphene				XXX				XXX
		1-Chloronaphthalene				XXX				XXX
		2-Chloronaphthalene				XXX				XXX
		Chrysene				XXX				XXX
		Dibenz(a,h)anthracene				XXX				XXX
		Fluoranthene				XXX				XXX
		Fluorene				XXX				XXX
		Indeno(1,2,3-cd)pyrene				XXX				XXX
		Indole				XXX				XXX
		1-Methylnaphthalene				XXX				XXX
		2-Methylnaphthalene				XXX				XXX
		Naphthalene				XXX				XXX
		Perylene				XXX				XXX
		Phenanthrene				XXX				XXX
		Pyrene				XXX				XXX
		Benzyl butyl phthalate								
		Bis(2-ethylhexyl) phthalate								
		Di-n-butyl phthalate								
		4-Bromophenyl phenyl ether								

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE J: NIAGARA PLANT (CYANAMID CANADA INC.)

NAME OF EFFLUENT STREAM:			Final Effluent to Whitty Creek				Effluent to Hydro Canal			
EFFLUENT STREAM TYPE:			Combined				Combined			
TOXICITY TEST REQUIRED:			Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Semi-annually				Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually				Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
19	Extractables, Base Neutral (continued)	4-Chlorophenyl phenyl ether								
		Bis(2-chloroisopropyl)ether								
		Bis(2-chloroethyl)ether								
		Diphenyl ether								
		2,4-Dinitrotoluene								
		2,6-Dinitrotoluene								
		Bis(2-chloroethoxy)methane								
		Diphenylamine								
		N-Nitrosodiphenylamine								
		N-Nitrosodi-n-propylamine								
25	Solvent Extractables	Oil and grease			XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	Effluent from Queen Lagoon				Effluent from Old Lagoon				21" to Pell Creek	18" to Stanley Ave. Sewer
		EFFLUENT STREAM TYPE:	Combined				Combined				Storm	Storm
		TOXICITY TEST REQUIRED:	Yes				Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days					
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days					
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**										
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX		XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX		XXX	XXX
6	Total phosphorus	Total phosphorus			XXX				XXX		XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX	XXX
		Volatile suspended solids (VSS)										
9	Total metals	Aluminum			XXX				XXX		XXX	XXX
		Beryllium				XXX				XXX	XXX	XXX
		Boron				XXX				XXX	XXX	XXX
		Cadmium				XXX				XXX	XXX	XXX
		Chromium			XXX				XXX		XXX	XXX
		Cobalt				XXX				XXX	XXX	XXX
		Copper				XXX				XXX	XXX	XXX
		Lead				XXX				XXX	XXX	XXX
		Molybdenum				XXX				XXX	XXX	XXX
		Nickel				XXX				XXX	XXX	XXX
						XXX				XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

NAME OF EFFLUENT STREAM:			Effluent from Queen Lagoon				Effluent from Old Lagoon				21" to Pell Creek	18" to Stanley Ave. Sewer
EFFLUENT STREAM TYPE:			Combined				Combined				Storm	Storm
TOXICITY TEST REQUIRED:			Yes				Yes				No	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None	None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No	No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Strontium				XXX				XXX	XXX	XXX
		Thallium				XXX				XXX	XXX	XXX
		Vanadium				XXX				XXX	XXX	XXX
		Zinc			XXX				XXX		XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)			XXX				XXX		XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX		
25	Solvent Extractables	Oil and grease			XXX				XXX		XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	10" at Manhole #1	12" from Fesic Building	12" from South Storage Building
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum	XXX	XXX	XXX
		Beryllium	XXX	XXX	XXX
		Boron	XXX	XXX	XXX
		Cadmium	XXX	XXX	XXX
		Chromium	XXX	XXX	XXX
		Cobalt	XXX	XXX	XXX
		Copper	XXX	XXX	XXX
		Lead	XXX	XXX	XXX
		Molybdenum	XXX	XXX	XXX
		Nickel	XXX	XXX	XXX
		Silver	XXX	XXX	XXX

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	10" at Manhole #1	12" from Fesic Building	12" from South Storage Building
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**			
9	Total metals (continued)	Strontium	XXX	XXX	XXX
		Thallium	XXX	XXX	XXX
		Vanadium	XXX	XXX	XXX
		Zinc	XXX	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)			
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE L: NIAGARA FALLS PLANT (WASHINGTON MILLS LIMITED)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Water Effluent
		EFFLUENT STREAM TYPE:	Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX		XXX
6	Total phosphorus	Total phosphorus			XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum			XXX		XXX
		Beryllium				XXX	XXX
		Boron				XXX	XXX
		Cadmium				XXX	XXX
		Chromium				XXX	XXX
		Cobalt				XXX	XXX
		Copper				XXX	XXX
		Lead				XXX	XXX
		Molybdenum				XXX	XXX
		Nickel				XXX	XXX
		Silver				XXX	XXX
		Strontium				XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE L: NIAGARA FALLS PLANT (WASHINGTON MILLS LIMITED)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Water Effluent
		EFFLUENT STREAM TYPE:	Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals (continued)	Thallium				XXX	XXX
		Vanadium				XXX	XXX
		Zinc				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX
25	Solvent Extractables	Oil and grease			XXX		XXX
IC1†	Chloride	Chloride		XXX			
IC3†	Sulphate	Sulphate		XXX			

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE M: NIPISSING SITE (ETI EXPLOSIVES TECHNOLOGIES INTERNATIONAL (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Discharge at Weir	Effluent in West Storm Ditch	Effluent in Cooks Creek	Effluent in Beaver Pond Ditch
		EFFLUENT STREAM TYPE:	OTCW	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	Yes	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE M: NIPISSING SITE (ETI EXPLOSIVES TECHNOLOGIES INTERNATIONAL (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Discharge at Weir	Effluent in West Storm Ditch	Effluent in Cooks Creek	Effluent in Beaver Pond Ditch
		EFFLUENT STREAM TYPE:	OTCW	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	Yes	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals	Aluminum	XXX	XXX	XXX	
		Beryllium	XXX	XXX	XXX	
		Boron	XXX	XXX	XXX	
		Cadmium	XXX	XXX	XXX	
		Chromium	XXX	XXX	XXX	
		Cobalt	XXX	XXX	XXX	
		Copper	XXX	XXX	XXX	
		Lead	XXX	XXX	XXX	
		Molybdenum	XXX	XXX	XXX	
		Nickel	XXX	XXX	XXX	
		Silver	XXX	XXX	XXX	
		Strontium	XXX	XXX	XXX	
		Thallium	XXX	XXX	XXX	
		Vanadium	XXX	XXX	XXX	
		Zinc	XXX	XXX	XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	XXX	XXX
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE N: PORT MAITLAND PLANT (ALBRIGHT & WILSON AMERICAS INC.)

NAME OF EFFLUENT STREAM:			Final Discharge				Storm Culvert #1	Siddall Road Storm Ditch
EFFLUENT STREAM TYPE:			Combined				Storm	Storm
TOXICITY TEST REQUIRED:			Yes				No	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None	None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No	No
FREQUENCY OF SAMPLING:			D	TW	W	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX	XXX	XXX
		Total Kjeldahl nitrogen				XXX	XXX	XXX
4b		Nitrate + Nitrite				XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX		XXX	XXX
6	Total phosphorus	Total phosphorus	XXX				XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX	XXX
		Volatile suspended solids (VSS)						
9	Total metals	Aluminum			XXX		XXX	XXX
		Beryllium				XXX	XXX	XXX
		Boron				XXX	XXX	XXX
		Cadmium				XXX	XXX	XXX
		Chromium				XXX	XXX	XXX
		Cobalt				XXX	XXX	XXX
		Copper				XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE N: PORT MAITLAND PLANT (ALBRIGHT & WILSON AMERICAS INC.)

		NAME OF EFFLUENT STREAM:	Final Discharge				Storm Culvert #1	Siddall Road Storm Ditch
		EFFLUENT STREAM TYPE:	Combined				Storm	Storm
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
9	Total Metals (continued)	Lead				XXX	XXX	XXX
		Molybdenum				XXX	XXX	XXX
		Nickel				XXX	XXX	XXX
		Strontium				XXX	XXX	XXX
		Silver				XXX	XXX	XXX
		Thallium				XXX	XXX	XXX
		Vanadium				XXX	XXX	XXX
		Zinc				XXX	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX	XXX
12	Mercury	Mercury			XXX		XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX	XXX	XXX
25	Solvent Extractables	Oil and grease			XXX		XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
4a	Nitrogen	Ammonia plus Ammonium			XXX	
		Total Kjeldahl nitrogen			XXX	
4b		Nitrate + Nitrite			XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)				XXX
5b		Total organic carbon (TOC) (NOTE 1)				XXX
6	Total phosphorus	Total phosphorus	XXX			
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum			XXX	
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX
		Thallium				XXX
		Vanadium				XXX
		Zinc			XXX	
10	Hydrides	Antimony				XXX
		Arsenic				XXX
		Selenium				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
12	Mercury	Mercury				XXX
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX
		1,1,2-Trichloroethane				XXX
		1,1-Dichloroethane				XXX
		1,1-Dichloroethylene				XXX
		1,2-Dichlorobenzene				XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	1,2-Dichloropropane				XXX
		1,3-Dichlorobenzene				XXX
		1,4-Dichlorobenzene				XXX
		Bromoform				XXX
		Bromomethane				XXX
		Carbon tetrachloride				XXX
		Chlorobenzene				XXX
		Chloroform				XXX
		Chloromethane				XXX
		Cis-1,3-Dichloropropylene				XXX
		Dibromochloromethane				XXX
		Ethylene dibromide				XXX
		Methylene chloride				XXX
		Tetrachloroethylene (Perchloroethylene)				XXX
		Trans-1,2-Dichloroethylene				XXX
		Trans-1,3-Dichloropropylene				XXX
		Trichloroethylene				XXX
		Trichlorofluoromethane				XXX
		Vinyl chloride (Chloroethylene)				XXX
17	Volatiles, Non-Halogenated	Benzene				XXX
		Styrene				XXX
		Toluene				XXX
		o-Xylene				XXX
		m-Xylene and p-Xylene				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
19	Extractables, Base Neutral	Acenaphthene				
		5-nitro Acenaphthene				
		Acenaphthylene				
		Anthracene				
		Benz(a)anthracene				
		Benzo(a)pyrene				
		Benzo(b)fluoranthene				
		Benzo(g,h,i)perylene				
		Benzo(k)fluoranthene				
		Biphenyl				
		Camphene				
		1-Chloronaphthalene				
		2-Chloronaphthalene				
		Chrysene				
		Dibenz(a,h)anthracene				
		Fluoranthene				
		Fluorene				
		Indeno(1,2,3-cd)pyrene				
		Indole				
		1-Methylnaphthalene				
		2-Methylnaphthalene				
		Naphthalene				
		Perylene				
		Phenanthrene				
		Pyrene				

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
19	Extractables, Base Neutral (continued)	Benzyl butyl phthalate				XXX
		Bis(2-ethylhexyl) phthalate				XXX
		Di-n-butyl phthalate				XXX
		4-Bromophenyl phenyl ether				XXX
		4-Chlorophenyl phenyl ether				XXX
		Bis(2-chloroisopropyl)ether				XXX
		Bis(2-chloroethyl)ether				XXX
		Diphenyl ether				XXX
		2,4-Dinitrotoluene				XXX
		2,6-Dinitrotoluene				XXX
		Bis(2-chloroethoxy)methane				XXX
		Diphenylamine				XXX
		N-Nitrosodiphenylamine				XXX
		N-Nitrosodi-n-propylamine				XXX
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				XXX
		2,3,4,6-Tetrachlorophenol				XXX
		2,3,5,6-Tetrachlorophenol				XXX
		2,3,4-Trichlorophenol				XXX
		2,3,5-Trichlorophenol				XXX
		2,4,5-Trichlorophenol				XXX
		2,4,6-Trichlorophenol				XXX
		2,4-Dimethyl phenol				XXX
		2,4-Dinitrophenol				XXX
		2,4-Dichlorophenol				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE O: PORT MAITLAND PLANT (INTERNATIONAL MINERALS AND CHEMICALS COMPANY (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
20	Extractables, Acid (Phenolics) (continued)	2,6-Dichlorophenol				XXX
		4,6-Dinitro-o-cresol				XXX
		2-Chlorophenol				XXX
		4-Chloro-3-methylphenol				XXX
		4-Nitrophenol				XXX
		m-Cresol				XXX
		o-Cresol				XXX
		p-Cresol				XXX
		Pentachlorophenol				XXX
		Phenol				XXX
25	Solvent Extractables	Oil and grease			XXX	
IC2†	Fluoride	Fluoride	XXX			
IC3†	Sulphate	Sulphate		XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE P: SARNIA PLANT (CABOT CANADA LTD.)

		NAME OF EFFLUENT STREAM:	Discharge from Filter Bed				Pump Station near Kenny Street
		EFFLUENT STREAM TYPE:	Combined				Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
2	Total cyanide	Total cyanide			XXX		XXX
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium			XXX		XXX
		Total Kjeldahl nitrogen			XXX		XXX
4b		Nitrate + Nitrite			XXX		XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX		XXX
6	Total phosphorus	Total phosphorus			XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum			XXX		XXX
		Beryllium				XXX	XXX
		Boron				XXX	XXX
		Cadmium				XXX	XXX
		Chromium			XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE P: SARNIA PLANT (CABOT CANADA LTD.)

		NAME OF EFFLUENT STREAM:	Discharge from Filter Bed				Pump Station near Kenny Street
		EFFLUENT STREAM TYPE:	Combined				Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals (continued)	Cobalt				XXX	XXX
		Copper				XXX	XXX
		Lead				XXX	XXX
		Molybdenum				XXX	XXX
		Nickel				XXX	XXX
		Silver				XXX	XXX
		Strontium				XXX	XXX
		Thallium				XXX	XXX
		Vanadium				XXX	XXX
		Zinc		XXX			XXX
10	Hydrides	Antimony			XXX		XXX
		Arsenic				XXX	XXX
		Selenium				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)			XXX		XXX
19	Extractables, Base Neutral	Acenaphthene					
		5-nitro Acenaphthene					
		Acenaphthylene					
		Anthracene					
		Benz(a)anthracene					
		Benzo(a)pyrene					
		Benzo(b)fluoranthene					
		Benzo(g,h,i)perylene					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE P: SARNIA PLANT (CABOT CANADA LTD.)

NAME OF EFFLUENT STREAM:			Discharge from Filter Bed				Pump Station near Kenny Street
EFFLUENT STREAM TYPE:			Combined				Emergency Overflow
TOXICITY TEST REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No
FREQUENCY OF SAMPLING:			D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Benzo(k)fluoranthene					
		Biphenyl					
		Camphene					
		1-Chloronaphthalene					
		2-Chloronaphthalene					
		Chrysene					
		Dibenz(a,h)anthracene					
		Fluoranthene					
		Fluorene					
		Indeno(1,2,3-cd)pyrene					
		Indole					
		1-Methylnaphthalene					
		2-Methylnaphthalene					
		Naphthalene					
		Perylene					
		Phenanthrene					
		Pyrene					
		Benzyl butyl phthalate				XXX	XXX
		Bis(2-ethylhexyl) phthalate				XXX	XXX
		Di-n-butyl phthalate				XXX	XXX
		4-Bromophenyl phenyl ether				XXX	XXX
		4-Chlorophenyl phenyl ether				XXX	XXX
		Bis(2-chloroisopropyl)ether				XXX	XXX
		Bis(2-chloroethyl)ether				XXX	XXX
		Diphenyl ether				XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE P: SARNIA PLANT (CABOT CANADA LTD.)

		NAME OF EFFLUENT STREAM:	Discharge from Filter Bed				Pump Station near Kenny Street
		EFFLUENT STREAM TYPE:	Combined				Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	2,4-Dinitrotoluene				XXX	XXX
		2,6-Dinitrotoluene				XXX	XXX
		Bis(2-chloroethoxy)methane				XXX	XXX
		Diphenylamine				XXX	XXX
		N-Nitrosodiphenylamine				XXX	XXX
		N-Nitrosodi-n-propylamine				XXX	XXX
25	Solvent Extractables	Oil and grease			XXX		XXX
IC1†	Chloride	Chloride		XXX			XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE Q: SARNIA PLANT (FIBERGLAS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Main Effluent to Cole Drain				Scott Road Landfill
		EFFLUENT STREAM TYPE:	Combined				Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
2	Total cyanide	Total cyanide			XXX		XXX
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium			XXX		XXX
		Total Kjeldahl nitrogen			XXX		XXX
4b		Nitrate + Nitrite			XXX		XXX
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX			XXX
6	Total phosphorus	Total phosphorus			XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX
		Volatile suspended solids (VSS)					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE Q: SARNIA PLANT (FIBERGLAS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Main Effluent to Cole Drain				Scott Road Landfill
		EFFLUENT STREAM TYPE:	Combined				Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	at time of discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals	Aluminum				XXX	XXX
		Beryllium				XXX	XXX
		Boron				XXX	XXX
		Cadmium				XXX	XXX
		Chromium				XXX	XXX
		Cobalt				XXX	XXX
		Copper				XXX	XXX
		Lead				XXX	XXX
		Molybdenum				XXX	XXX
		Nickel				XXX	XXX
		Silver				XXX	XXX
		Strontium				XXX	XXX
		Thallium				XXX	XXX
		Vanadium				XXX	XXX
		Zinc				XXX	XXX
10	Hydrides	Antimony			XXX		XXX
		Arsenic				XXX	XXX
		Selenium				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX				XXX
25	Solvent Extractables	Oil and grease			XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE R: SARNIA PLANT (PARTEK INSULATIONS LTD.)

NAME OF EFFLUENT STREAM:			Effluent in East Storm Drain	Effluent in West Drain	Cooling Water Overflow Effluent				Effluent from Raw Material Storage Area
EFFLUENT STREAM TYPE:			Storm	Storm	Combined				Storm
TOXICITY TEST REQUIRED:			No	No	Yes				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			None	None	Bi-monthly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:					30 days				
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			None	None	Bi-monthly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:					30 days				
QUALITY CONTROL MONITORING REQUIRED:			No	No	Yes				No
FREQUENCY OF SAMPLING:			M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**							
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX			XXX		XXX
		Total Kjeldahl nitrogen	XXX	XXX			XXX		XXX
4b		Nitrate + Nitrite	XXX	XXX			XXX		XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX			XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX			XXX		XXX
6	Total phosphorus	Total phosphorus	XXX	XXX			XXX		XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX				XXX
		Volatile suspended solids (VSS)							
9	Total metals	Aluminum	XXX	XXX		XXX			
		Beryllium	XXX	XXX				XXX	
		Boron	XXX	XXX				XXX	
		Cadmium	XXX	XXX				XXX	
		Chromium	XXX	XXX				XXX	
		Cobalt	XXX	XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE R: SARNIA PLANT (PARTEK INSULATIONS LTD.)

		NAME OF EFFLUENT STREAM:	Effluent in East Storm Drain	Effluent in West Drain	Cooling Water Overflow Effluent				Effluent from Raw Material Storage Area
		EFFLUENT STREAM TYPE:	Storm	Storm	Combined				Storm
		TOXICITY TEST REQUIRED:	No	No	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	Bi-monthly 30 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	Bi-monthly 30 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	Yes				No
		FREQUENCY OF SAMPLING:	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
9	Total metals (continued)	Copper	XXX	XXX				XXX	
		Lead	XXX	XXX				XXX	
		Molybdenum	XXX	XXX				XXX	
		Nickel	XXX	XXX				XXX	
		Silver	XXX	XXX				XXX	
		Strontium	XXX	XXX				XXX	
		Thallium	XXX	XXX				XXX	XXX
		Vanadium	XXX	XXX				XXX	XXX
		Zinc	XXX	XXX			XXX		XXX
10	Hydrides	Antimony	XXX	XXX				XXX	XXX
		Arsenic	XXX	XXX				XXX	XXX
		Selenium	XXX	XXX				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX				XXX	XXX
12	Mercury	Mercury						XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX		XXX			XXX
25	Solvent Extractables	Oil and grease	XXX	XXX			XXX		XXX
IC3†	Sulphate	Sulphate	XXX	XXX			XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
		EFFLUENT STREAM TYPE:	Batch	Batch	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
2	Total cyanide	Total cyanide	XXX		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	
		Total Kjeldahl nitrogen	XXX	XXX	
4b		Nitrate + Nitrite	XXX	XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum	XXX	XXX	
		Beryllium	XXX	XXX	
		Boron	XXX	XXX	
		Cadmium	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
EFFLUENT STREAM TYPE:			Batch	Batch	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
QUALITY CONTROL MONITORING REQUIRED:			No	No	No
FREQUENCY OF SAMPLING:			during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Chromium	XXX	XXX	
		Cobalt	XXX	XXX	
		Copper	XXX	XXX	
		Lead	XXX	XXX	
		Molybdenum	XXX	XXX	
		Nickel	XXX	XXX	
		Silver	XXX	XXX	
		Strontium	XXX	XXX	
		Thallium	XXX	XXX	
		Vanadium	XXX	XXX	
		Zinc	XXX	XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	
12	Mercury	Mercury	XXX		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	XXX	XXX	
		1,1,2-Trichloroethane	XXX	XXX	
		1,1-Dichloroethane	XXX	XXX	
		1,1-Dichloroethylene	XXX	XXX	
		1,2-Dichlorobenzene	XXX	XXX	
		1,2-Dichloroethane (Ethylene dichloride)	XXX	XXX	
		1,2-Dichloropropane	XXX	XXX	
		1,3-Dichlorobenzene	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
		EFFLUENT STREAM TYPE:	Batch	Batch	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No
		FREQUENCY OF SAMPLING:	during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
16	Volatiles, Halogenated (continued)	1,4-Dichlorobenzene	XXX	XXX	
		Bromoform	XXX	XXX	
		Bromomethane	XXX	XXX	
		Carbon tetrachloride	XXX	XXX	
		Chlorobenzene	XXX	XXX	
		Chloroform	XXX	XXX	
		Chloromethane	XXX	XXX	
		Cis-1,3-Dichloropropylene	XXX	XXX	
		Dibromochloromethane	XXX	XXX	
		Ethylene dibromide	XXX	XXX	
		Methylene chloride	XXX	XXX	
		Tetrachloroethylene (Perchloroethylene)	XXX	XXX	
		Trans-1,2-Dichloroethylene	XXX	XXX	
		Trans-1,3-Dichloropropylene	XXX	XXX	
		Trichloroethylene	XXX	XXX	
		Trichlorofluoromethane	XXX	XXX	
		Vinyl chloride (Chloroethylene)	XXX	XXX	
17	Volatiles, Non-Halogenated	Benzene	XXX	XXX	
		Styrene	XXX	XXX	
		Toluene	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
EFFLUENT STREAM TYPE:			Batch	Batch	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
QUALITY CONTROL MONITORING REQUIRED:			No	No	No
FREQUENCY OF SAMPLING:			during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	XXX	XXX	
		1,2,3,5-Tetrachlorobenzene	XXX	XXX	
		1,2,4,5-Tetrachlorobenzene	XXX	XXX	
		1,2,3-Trichlorobenzene	XXX	XXX	
		1,2,4-Trichlorobenzene	XXX	XXX	
		2,4,5-Trichlorotoluene	XXX	XXX	
		Hexachlorobenzene	XXX	XXX	
		Hexachlorobutadiene	XXX	XXX	
		Hexachlorocyclopentadiene	XXX	XXX	
		Hexachloroethane	XXX	XXX	
		Octachlorostyrene	XXX	XXX	
		Pentachlorobenzene	XXX	XXX	
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
		EFFLUENT STREAM TYPE:	OTCW	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
2	Total cyanide	Total cyanide		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium		
		Total Kjeldahl nitrogen		
4b		Nitrate + Nitrite		
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum		
		Beryllium		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
		EFFLUENT STREAM TYPE:	OTCW	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Chromium		
		Cobalt		
		Copper		
		Lead		
		Molybdenum		
		Nickel		
		Silver		
		Strontium		
		Thallium		
		Vanadium		
		Zinc		
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)		
12	Mercury	Mercury		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

	NAME OF EFFLUENT STREAM:	Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
	EFFLUENT STREAM TYPE:	OTCW	OTCW
	TOXICITY TEST REQUIRED:	Yes	Yes
	CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
	CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
	QUALITY CONTROL MONITORING REQUIRED:	No	No
	FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP	**PARAMETERS TO BE ANALYZED**		
16 Volatiles, Halogenated (continued)	1,4-Dichlorobenzene		
	Bromoform		
	Bromomethane		
	Carbon tetrachloride		
	Chlorobenzene		
	Chloroform		
	Chloromethane		
	Cis-1,3-Dichloropropylene		
	Dibromochloromethane		
	Ethylene dibromide		
	Methylene chloride		
	Tetrachloroethylene (Perchloroethylene)		
	Trans-1,2-Dichloroethylene		
	Trans-1,3-Dichloropropylene		
	Trichloroethylene		
	Trichlorofluoromethane		
	Vinyl chloride (Chloroethylene)		
17 Volatiles, Non-Halogenated	Benzene		
	Styrene		
	Toluene		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
EFFLUENT STREAM TYPE:			OTCW	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
QUALITY CONTROL MONITORING REQUIRED:			No	No
FREQUENCY OF SAMPLING:			M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene		
		1,2,3,5-Tetrachlorobenzene		
		1,2,4,5-Tetrachlorobenzene		
		1,2,3-Trichlorobenzene		
		1,2,4-Trichlorobenzene		
		2,4,5-Trichlorotoluene		
		Hexachlorobenzene		
		Hexachlorobutadiene		
		Hexachlorocyclopentadiene		
		Hexachloroethane		
		Octachlorostyrene		
		Pentachlorobenzene		
25	Solvent Extractables	Oil and grease	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE T: THOROLD PLANT (THE EXOLON-ESK COMPANY OF CANADA LTD.)

		NAME OF EFFLUENT STREAM:	24" Outfall at Beaver-dams Road			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum			XXX	
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX
		Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
						XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE T: THOROLD PLANT (THE EXOLON-ESK COMPANY OF CANADA LTD.)

		NAME OF EFFLUENT STREAM:	24" Outfall at Beaver-dams Road			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
9	Total metals (continued)	Thallium				XXX
		Vanadium				XXX
		Zinc				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
25	Solvent Extractables	Oil and grease			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	Millers Creek Final Discharge				Sludge Pond #11				River Pumphouse Runoff			
		EFFLUENT STREAM TYPE:	Combined				Combined				Storm			
		TOXICITY TEST REQUIRED:	Yes				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Quarterly				None			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				60 days							
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				None			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days							
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
2	Total cyanide	Total cyanide			XXX				XXX					XXX
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX							XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX							XXX
		Total Kjeldahl nitrogen	XXX				XXX							XXX
4b		Nitrate + Nitrite	XXX				XXX							XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX					XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX					XXX
6	Total phosphorus	Total phosphorus	XXX				XXX							XXX
7	Specific conductance	Specific conductance	XXX				XXX							XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX							XXX
		Volatile suspended solids (VSS)												
9	Total metals	Aluminum		XXX						XXX				XXX
		Beryllium				XXX				XXX				XXX
		Boron				XXX				XXX				XXX
		Cadmium				XXX				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	Millers Creek Final Discharge				Sludge Pond #11				River Pumphouse Runoff			
		EFFLUENT STREAM TYPE:	Combined				Combined				Storm			
		TOXICITY TEST REQUIRED:	Yes				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Quarterly				None			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				60 days							
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				None			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days							
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**												
9	Total metals (continued)	Chromium				XXX				XXX				XXX
		Cobalt				XXX				XXX				XXX
		Copper				XXX				XXX				XXX
		Lead				XXX				XXX				XXX
		Molybdenum			XXX					XXX				XXX
		Nickel				XXX				XXX				XXX
		Silver				XXX				XXX				XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium				XXX				XXX				XXX
		Zinc			XXX					XXX				XXX
10	Hydrides	Antimony				XXX				XXX				XXX
		Arsenic				XXX				XXX				XXX
		Selenium				XXX				XXX				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX				XXX
12	Mercury	Mercury				XXX				XXX				XXX
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX					XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

NAME OF EFFLUENT STREAM:			Millers Creek Final Discharge				Sludge Pond #11				River Pumphouse Runoff			
EFFLUENT STREAM TYPE:			Combined				Combined				Storm			
TOXICITY TEST REQUIRED:			Yes				No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
17	Volatiles, Non-Halogenated	Benzene				XXX				XXX				
		Styrene				XXX				XXX				
		Toluene				XXX		XXX						
		o-Xylene				XXX				XXX				
		m-Xylene and p-Xylene				XXX				XXX				
25	Solvent Extractables	Oil and grease			XXX				XXX					XXX
27	Polychlorinated Biphenyls	PCBs (Total)				XXX				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	1st Avenue Sewer (surface ditch)	1st Avenue Sewer (inground)	3rd Avenue Sewer	4th Avenue Sewer
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
2	Total cyanide	Total cyanide	XXX	XXX	XXX	XXX
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	XXX	XXX	XXX	XXX
		Beryllium	XXX	XXX	XXX	XXX
		Boron	XXX	XXX	XXX	XXX
		Cadmium	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	1st Avenue Sewer (surface ditch)	1st Avenue Sewer (inground)	3rd Avenue Sewer	4th Avenue Sewer
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Chromium	XXX	XXX	XXX	XXX
		Cobalt	XXX	XXX	XXX	XXX
		Copper	XXX	XXX	XXX	XXX
		Lead	XXX	XXX	XXX	XXX
		Molybdenum	XXX	XXX	XXX	XXX
		Nickel	XXX	XXX	XXX	XXX
		Silver	XXX	XXX	XXX	XXX
		Strontium	XXX	XXX	XXX	XXX
		Thallium	XXX	XXX	XXX	XXX
		Vanadium	XXX	XXX	XXX	XXX
		Zinc	XXX	XXX	XXX	XXX
10	Hydrides	Antimony	XXX	XXX	XXX	XXX
		Arsenic	XXX	XXX	XXX	XXX
		Selenium	XXX	XXX	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	XXX	XXX
12	Mercury	Mercury	XXX	XXX	XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	1st Avenue Sewer (surface ditch)	1st Avenue Sewer (inground)	3rd Avenue Sewer	4th Avenue Sewer
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
17	Volatiles, Non-Halogenated	Benzene				
		Styrene				
		Toluene				
		o-Xylene				
		m-Xylene and p-Xylene				
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls	PCBs (Total)	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	5th Avenue Sewer (west of gate)	5th Avenue Sewer (east of gate)	Lab Sewer	Dicy Cooling Water
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	OTCW
		TOXICITY TEST REQUIRED:	No	No	No	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
2	Total cyanide	Total cyanide	XXX	XXX	XXX	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX	
		Total Kjeldahl nitrogen	XXX	XXX	XXX	
4b		Nitrate + Nitrite	XXX	XXX	XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	XXX	XXX	XXX	
		Beryllium	XXX	XXX	XXX	
		Boron	XXX	XXX	XXX	
		Cadmium	XXX	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	5th Avenue Sewer (west of gate)	5th Avenue Sewer (east of gate)	Lab Sewer	Dicy Cooling Water
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	OTCW
		TOXICITY TEST REQUIRED:	No	No	No	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Chromium	XXX	XXX	XXX	
		Cobalt	XXX	XXX	XXX	
		Copper	XXX	XXX	XXX	
		Lead	XXX	XXX	XXX	
		Molybdenum	XXX	XXX	XXX	
		Nickel	XXX	XXX	XXX	
		Silver	XXX	XXX	XXX	
		Strontium	XXX	XXX	XXX	
		Thallium	XXX	XXX	XXX	
		Vanadium	XXX	XXX	XXX	
		Zinc	XXX	XXX	XXX	
10	Hydrides	Antimony	XXX	XXX	XXX	
		Arsenic	XXX	XXX	XXX	
		Selenium	XXX	XXX	XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	XXX	
12	Mercury	Mercury	XXX	XXX	XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE U: WELLAND PLANT (CYANAMID CANADA INC.)

		NAME OF EFFLUENT STREAM:	5th Avenue Sewer (west of gate)	5th Avenue Sewer (east of gate)	Lab Sewer	Dicy Cooling Water
		EFFLUENT STREAM TYPE:	Storm	Storm	Storm	OTCW
		TOXICITY TEST REQUIRED:	No	No	No	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
17	Volatiles, Non-Halogenated	Benzene				
		Styrene				
		Toluene				
		o-Xylene				
		m-Xylene and p-Xylene				
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
27	Polychlorinated Biphenyls	PCBs (Total)	XXX	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE V: WELLAND PLANT (UNION CARBIDE CANADA LIMITED)

		NAME OF EFFLUENT STREAM:	#2 Weir Effluent	Government Dock Effluent				Effluent from Pump House Return				Effluent in Union Street Drain
		EFFLUENT STREAM TYPE:	OTCW	Combined				Combined				Storm
		TOXICITY TEST REQUIRED:	Yes	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes				No				No
		FREQUENCY OF SAMPLING:	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX				XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium					XXX					
		Total Kjeldahl nitrogen					XXX					
4b		Nitrate + Nitrite				XXX						
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX			XXX				XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX			XXX				XXX		XXX
6	Total phosphorus	Total phosphorus	XXX			XXX				XXX		XXX
7	Specific conductance	Specific conductance	XXX	XXX				XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX				XXX				XXX
		Volatile suspended solids (VSS)										
9	Total metals	Aluminum	XXX				XXX				XXX	XXX
		Beryllium	XXX				XXX				XXX	XXX
		Boron	XXX				XXX				XXX	XXX
		Cadmium	XXX				XXX				XXX	XXX
		Chromium	XXX				XXX				XXX	XXX
		Cobalt	XXX				XXX				XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE V: WELLAND PLANT (UNION CARBIDE CANADA LIMITED)

		NAME OF EFFLUENT STREAM:	#2 Weir Effluent	Government Dock Effluent				Effluent from Pump House Return				Effluent in Union Street Drain
		EFFLUENT STREAM TYPE:	OTCW	Combined				Combined				Storm
		TOXICITY TEST REQUIRED:	Yes	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No	Yes				No				No
		FREQUENCY OF SAMPLING:	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Copper	XXX				XXX				XXX	XXX
		Lead	XXX				XXX				XXX	XXX
		Molybdenum	XXX				XXX				XXX	XXX
		Nickel	XXX				XXX				XXX	XXX
		Silver	XXX				XXX				XXX	XXX
		Strontium	XXX				XXX				XXX	XXX
		Thallium	XXX				XXX				XXX	XXX
		Vanadium	XXX				XXX				XXX	XXX
		Zinc	XXX				XXX				XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX				XXX				XXX	XXX
12	Mercury	Mercury					XXX				XXX	
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX				XXX				XXX	XXX
25	Solvent Extractables	Oil and grease	XXX			XXX				XXX		XXX
IC1†	Chloride	Chloride			XXX				XXX			
IC3†	Sulphate	Sulphate			XXX				XXX			

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE V: WELLAND PLANT (UNION CARBIDE CANADA LIMITED)

		NAME OF EFFLUENT STREAM:	Effluent in Waste Disposal Area	Townline Road Ditch Effluent
		EFFLUENT STREAM TYPE:	Waste Disposal Effluent	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium		
		Total Kjeldahl nitrogen		
4b		Nitrate + Nitrite		
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	XXX
		Beryllium	XXX	XXX
		Boron	XXX	XXX
		Cadmium	XXX	XXX
		Chromium	XXX	XXX
		Cobalt	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE V: WELLAND PLANT (UNION CARBIDE CANADA LIMITED)

		NAME OF EFFLUENT STREAM:	Effluent in Waste Disposal Area	Townline Road Ditch Effluent
		EFFLUENT STREAM TYPE:	Waste Disposal Effluent	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
9	Total metals (continued)	Copper	XXX	XXX
		Lead	XXX	XXX
		Molybdenum	XXX	XXX
		Nickel	XXX	XXX
		Silver	XXX	XXX
		Strontium	XXX	XXX
		Thallium	XXX	XXX
		Vanadium	XXX	XXX
		Zinc	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX
12	Mercury	Mercury		
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX
25	Solvent Extractables	Oil and grease	XXX	XXX
IC1†	Chloride	Chloride		
IC3†	Sulphate	Sulphate		

Inorganic Chemical Sector

Ontario Regulation 649/89

REGULATION TO AMEND
ONTARIO REGULATION 395/89
MADE UNDER THE
ENVIRONMENTAL PROTECTION ACT

1. Subsection 1(1) of Ontario Regulation 395/89 is amended by adding thereto the following definition:

"storm event" in relation to a plant, means a rainfall or series of rainfalls on an operating day that in total exceeds five millimetres as measured by an on-site rain gauge, an automated recording rain gauge located within eight kilometres of the plant, or an Environment Canada meteorological station located within eight kilometres of the plant.

2.-(1) Subsections 3(1) and (2) of the said Regulation are revoked and the following substituted therefor:

(1) This Regulation applies only with respect to the plants mentioned in subsection (2a) and only with respect to effluent streams named in the site-specific monitoring schedules for those plants.

(2) For the purposes of this Regulation, the plants listed in Table 1 in subsection (2a) are in Category 1 and the plants listed in Table 2 in subsection (2a) are in Category 2.

(2a) The site-specific monitoring schedule for each plant is as follows:

TABLE 1

Item	Plant	Location	Owner as of May 19, 1989	Site-Specific Monitoring Schedule
CATEGORY 1				
1	Amherstburg Plant	Amherstburg	Allied Chemicals Canada Inc.	A
2	Amherstburg Plant	Amherstburg	General Chemical Canada Ltd.	B
3	Chippawa Plant	Niagara Falls	Norton Canada Inc.	C
4	Cornwall Works	Cornwall	C-I-L Inc.	D
5	Cornwall Works	Cornwall	Stanchem, a Division of C-I-L Inc.	E
6	Elmira Plant	Elmira	Sulco Chemicals Limited	F
7	Hamilton Plant	Hamilton	Columbian Chemicals Canada Ltd.	G
8	Lambton Works	Courtright	C-I-L Inc.	H
9	Maitland Plant	Maitland	Nitrochem Inc.	I
10	Niagara Plant	Niagara Falls	Cyanamid Canada Inc.	J
11	Niagara Falls Plant	Niagara Falls	Washington Mills Electro Minerals Corporation	K
12	Niagara Falls Plant	Niagara Falls	Washington Mills Limited	L
13	Nipissing Site	North Bay	ETI Explosives Technologies International (Canada) Ltd.	M
14	Port Maitland Plant	Port Maitland	Albright & Wilson Americas Inc.	N
15	Port Maitland Plant	Port Maitland	International Minerals and Chemical Corporation (Canada) Limited	O

16	Sarnia Plant	Sarnia	Cabot Canada Ltd.	P
17	Sarnia Plant	Sarnia	Fiberglas Canada Inc.	Q
18	Sarnia Plant	Sarnia	Partek Insulations Ltd.	R
19	Sarnia Works	Sarnia	Welland Chemical Ltd.	S
20	Thorold Plant	Thorold	The Exolon-ESK Company of Canada Ltd.	T
21	Welland Plant	Niagara Falls	Cyanamid Canada Inc.	U
22	Welland Plant	Welland	Union Carbide Canada Inc.	V

December 1990

TABLE 2

Item	Plant	Location	Owner as of November 10, 1989	Site-Specific Monitoring Schedule
CATEGORY 2				
1	Courtright Site	Courtright	Canadian Liquid Air Ltd. (Cardox Division)	W
2	Courtright Site	Courtright	Liquid Carbonic Inc.	X
3	Maitland Site	Maitland	Liquid Carbonic Inc.	Y
4	Maitland Site	Maitland	Puritan-Bennett Canada Limited	Z
5	Sarnia Site	Sarnia	Union Carbide Canada Limited (Linde Division)	A1
6	Moore Township Site	Moore Township	Union Carbide Canada Limited (Linde Division)	A2
7	Sault Ste. Marie Site	Sault Ste. Marie	Union Carbide Canada Limited (Linde Division)	A3

Feb. 1, 1990

(2) Section 3 of the said Regulation is amended by adding thereto the following subsections:

(9) Each direct discharger shall ensure that there is an automated recording rain gauge to which the discharger has ready access at all times within eight kilometres of the discharger's plant, unless there is either a rain gauge at the plant or an Environment Canada meteorological station within eight kilometres of the plant.

(10) Subsection 3(29) of the General Effluent Monitoring Regulation does not apply where a direct discharger is governed by this Regulation.

(11) In addition to complying with subsection 3(19) of the General Effluent Monitoring Regulation, each direct discharger shall use only sampling equipment for the collection of samples, the wettable surfaces of which are made of fluorocarbon resins, glass, stainless steel, high or low density polyethylene, polyethylene terephthalate, polystyrene or polypropylene for samples that are to be analyzed for parameters in analytical test groups IC1 to IC3 as set out in the Schedule AA to this Regulation.

(12) Despite subsection (11), a direct discharger may use sampling devices that contain a short section of surgical grade silicone rubber tubing or other tubing approved by the Director if such tubing cannot be replaced by a material mentioned in subsection (11) without impairing the operation of the device.

(13) For the purposes of subsections 3(22), (25a) and (26) of the General Effluent Monitoring Regulation,

(a) a sample collected for analysis for parameters in more than one analytical test group as set out in the Schedules to this Regulation is deemed to be a sample collected for analysis for parameters in more than one analytical test group in Schedule 1 to the General Effluent Monitoring Regulation; and

(b) a laboratory sample container specified in Column 2 of Schedule BB to this Regulation is deemed to be a laboratory sample container specified in Column 2 of Schedule 2 to the General Effluent Monitoring Regulation.

(14) Instead of the minimum sample volumes specified in Column 5 of Schedule BB, a direct discharger may, in relation to a sample to be analyzed, submit to the laboratory performing the

analysis the minimum sample volume required by the laboratory to meet the analytical method detection limits set out in Column 6 of Schedule CC.

3.-(1) Subsection 4(1) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(2) Paragraph 1 of subsection 4(1) of the said Regulation is amended by inserting after "discharge" in the first line "effluent".

(3) Section 4 of the said Regulation is amended by adding thereto the following subsection:

(1a) Each direct discharger whose plant is in Category 2 shall, by the 1st day of January, 1990, establish a sampling point on each effluent stream named in the site-specific monitoring schedule for that discharger's plant as follows:

1. A batch discharge effluent sampling point on each batch discharge effluent stream.

2. A combined effluent sampling point on each combined effluent stream.

3. A final discharge sampling point on each process effluent, combined effluent or batch discharge effluent stream.

4. A once-through cooling water sampling point on each once-through cooling water effluent stream.

5. A process effluent sampling point on each process effluent stream.

6. A storm water sampling point on each storm water effluent stream.

7. A waste disposal site effluent sampling point on each waste disposal site effluent stream.

8. An emergency overflow effluent sampling point on each emergency overflow effluent stream.

(4) Subsection 4(2) of the said Regulation is amended by deleting "subsection (1)" in the second line and inserting in lieu thereof "subsections (1) and (1a)".

(5) Subsection 4(6) of the said Regulation is amended by

adding at the end thereof "and in Column 6 of Schedule CC to this Regulation".

4. Subsection 11(1) of the said Regulation is amended by inserting after "storm event" in the sixth line "or thaw".

5.-(1) Subsection 14(2) of the said Regulation is amended by striking out "(3) and (4)" in the first line and inserting in lieu thereof "(3), (4) and (11)".

(2) Subsections 14(3) to (9) of the said Regulation are revoked and the following substituted therefor:

(3) Once in each month, on a day on which samples are collected under section 9 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, each direct discharger shall collect a duplicate sample for each sample collected on that day from that sampling point under sections 6 and 7, and shall analyze the set of duplicate samples for the parameters indicated in the daily and thrice weekly columns, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(4) Once in each quarter, on a day on which duplicate samples are collected under subsection (3), each direct discharger shall collect a duplicate sample for each sample collected on that day under sections 8 and 9 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of duplicate samples for the parameters indicated in the weekly and monthly columns, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(5) Once in each month, on the day on which samples are collected under subsection (3), each direct discharger shall prepare a travelling blank sample for each sample collected on that day under sections 6 and 7 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling blank samples for the parameters indicated in the daily and thrice weekly columns, for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(6) Despite subsections (5), (7) and (12), a direct discharger need not analyze a travelling blank sample for parameters in analytical test groups 3 and 8.

(7) Once in each quarter, on the day on which samples are collected under subsection (4), each direct discharger shall prepare a travelling blank sample for each sample collected on that day under sections 8 and 9 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling blank samples for the parameters indicated in the weekly and monthly columns, for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(8) Once in each month, on the day on which samples are collected under subsection (3), each direct discharger shall prepare a travelling spiked blank sample for each sample collected on that day under sections 6 and 7 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the daily and thrice weekly columns, for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(9) Once in each quarter, on the day on which samples are collected under subsection (4), each direct discharger shall prepare a travelling spiked blank sample for each sample collected on that day under sections 8 and 9 from the sampling point on the process effluent or combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the weekly and monthly columns, for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Subsection 14(10) of the said Regulation is amended by striking out "(8) and (9)" in the second line and inserting in

lieu thereof "(8), (9) and (13)".

(4) Section 14 of the said Regulation is amended by adding thereto the following subsections:

(11) Semi-annually, on a day on which samples are collected under section 10 from the sampling point on the once-through cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, each direct discharger shall collect a duplicate sample for each sample collected on that day from that sampling point under section 10, and shall analyze the set of duplicate samples for the parameters indicated in the monthly column, for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(12) Semi-annually, on the day on which duplicate samples are collected under subsection (11), each direct discharger shall prepare a travelling blank sample for each sample collected on that day under section 10 from the sampling point on the once-through cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling blank samples for the parameters indicated in the monthly column, for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(13) Semi-annually, on the day on which duplicate samples are collected under subsection (11), each direct discharger shall prepare a travelling spiked blank sample for each sample collected on that day under section 10 from the sampling point on the once-through cooling water effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant, if any stream is so indicated, and shall analyze the set of travelling spiked blank samples for the parameters in analytical test groups 16 to 20, 23, 24 and 27 indicated in the monthly column, for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

6. Subsection 16(5) of the said Regulation is amended by striking out "emergency overflow" in the fourth line and inserting in lieu thereof "discharge of emergency overflow effluent".

7.-(1) Subsection 17(1) of the said Regulation is amended by

inserting after "discharger" in the first line "whose plant is in Category 1".

(2) Section 17 of the said Regulation is amended by adding thereto the following subsection:

(1a) Each direct discharger whose plant is in Category 2 shall, by the 1st day of January, 1990, submit a report to the Director in respect of that discharger's plant, containing the information specified in subsection 7(1) of the General Effluent Monitoring Regulation.

(3) Subsection 17(3) of the said Regulation is amended by inserting after "(1)" in the third line "or (1a)".

(4) Subsection 17(4) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(5) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(4a) Each direct discharger whose plant is in Category 2 shall notify the Director in writing of any change of name or ownership of its plant occurring after the 10th day of November, 1989, by the 8th day of January, 1990 or within thirty days after any such change.

(6) Subsection 17(5) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(7) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(5a) Each direct discharger whose plant is in Category 2 shall, no later than thirty days after the event, notify the Director in writing of any process change that occurs on or after the 1st day of December, 1989 and that may adversely affect the quality of the effluent in any effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(8) Subsection 17(6) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(9) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(6a) Each direct discharger whose plant is in Category 2 shall, no later than thirty days before the event or the 2nd day of January, 1990, notify the Director in writing of any redirection of or change in the type of an effluent stream named in the site-specific monitoring schedule for that discharger's plant that occurs on or after the 1st day of December, 1989.

(10) Subsection 17(7) of the said Regulation is amended by striking out "and (6)" in the first line and inserting in lieu thereof "(6) and (6a)".

(11) Subsection 17(8) of the said Regulation is amended by striking out "subsection (6)" in the first line and inserting in lieu thereof "subsections (6) and (6a)".

(12) Subsection 17(11) of the said Regulation is amended by striking out "(4)" in the second line and inserting in lieu thereof "(10)".

(13) Subsection 17(14) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(14) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(14a) Each direct discharger whose plant is in Category 2 shall, no later than the 2nd day of January, 1990, submit to the Director a description of the methods, devices and calculations to be used in measuring or estimating the volume of discharges of storm water under subsection 16(5), together with an assessment of the accuracy of those methods, devices and calculations.

(15) Subsection 17(15) of the said Regulation is amended by inserting after "discharger" in the first line "whose plant is in Category 1".

(16) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(15a)Each direct discharger whose plant is in Category 2 shall submit to the Director documentation of each calibration performed under subsection 6(7) of the General Effluent Monitoring Regulation, by the 2nd day of January, 1990, or within thirty days after the day on which the calibration was performed.

(17) Subsections 17(18) to (20) of the said Regulation are revoked and the following substituted therefor:

(18) Each direct discharger shall report to the Director the information required to be recorded under subsection 16(5), as

well as the date and location of each discharge of effluent measured or estimated under subsection 16(5).

(19) Each direct discharger whose plant is in Category 1 shall report to the Director the date, approximate duration and amount of rainfall of each storm event in relation to that plant that occurs during the period beginning on the 1st day of December, 1989 and ending on the 30th day of November, 1990, within thirty days after each such storm event.

(20) Each direct discharger whose plant is in Category 2 shall report to the Director the date, approximate duration and amount of rainfall of each storm event in relation to that plant that occurs during the period beginning on the 1st day of February, 1990 and ending on the 31st day of January, 1991, within thirty days after each such storm event.

(20a) Each direct discharger shall submit to the Director, at least thirty days before the first day of each month, a schedule of intended sampling dates by sampling point location for all sampling to be done under sections 5, 9 and 10 in that month.

(18) Section 17 of the said Regulation is further amended by adding thereto the following subsection:

(22a) For the purpose of subsection (22), a direct discharger need only report on chemicals added to a once-through cooling water effluent stream in the discharger's plant during months in which the discharger is required to collect samples from the stream under section 10.

8. The said Regulation is amended by adding thereto the following section:

Timing

17a.-(1) Sections 5 and 7 to 15 do not apply in relation to plants in Category 1 after the 30th day of November, 1990.

(2) Sections 5 to 15 and subsections 16(1) to (6) do not apply in relation to plants in Category 2 before the 1st day of February, 1990.

9. Section 19 of the said Regulation is revoked and the following substituted therefor:

19. Sections 5 and 7 to 15 are revoked on the 1st day of February, 1991.

10. The heading to the Legend immediately preceding Schedule A to the said Regulation is amended by striking out "A to V" and inserting in lieu thereof "A to Z and A1 to A3".

11. Schedules A, C, H, I, K, M, R and S are revoked and the following substituted therefor:

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Genetron* Collection Sump				Mailloux Quarry Effluent	HF Bleed Effluent				East Road Drain Effluent
		EFFLUENT STREAM TYPE:	Process				Storm	Process				Storm
		TOXICITY TEST REQUIRED:	No				No	No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
2	Total cyanide	Total cyanide					XXX			XXX		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX	XXX					
		Total Kjeldahl nitrogen				XXX	XXX					
4b		Nitrate + Nitrite				XXX	XXX					
5a	Organic carbon	Dissolved organic carbon (DOC)		XXX			XXX		XXX			XXX
5b		Total organic carbon (TOC) (NOTE 1)		XXX			XXX		XXX			XXX
6	Total phosphorus	Total phosphorus				XXX	XXX				XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX	XXX				XXX
		Volatile suspended solids (VSS)										
9	Total metals	Aluminum				XXX	XXX				XXX	XXX
		Beryllium				XXX	XXX				XXX	XXX
		Boron				XXX	XXX				XXX	XXX

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Genetron* Collection Sump				Mailloux Quarry Effluent	HF Bleed Effluent				East Road Drain Effluent
		EFFLUENT STREAM TYPE:	Process				Storm	Process				Storm
		TOXICITY TEST REQUIRED:	No				No	No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Cadmium				XXX	XXX				XXX	XXX
		Chromium				XXX	XXX				XXX	XXX
		Cobalt				XXX	XXX				XXX	XXX
		Copper				XXX	XXX		XXX			XXX
		Lead				XXX	XXX				XXX	XXX
		Molybdenum				XXX	XXX			XXX		XXX
		Nickel				XXX	XXX				XXX	XXX
		Silver				XXX	XXX			XXX		XXX
		Strontium				XXX	XXX				XXX	XXX
		Thallium				XXX	XXX				XXX	XXX
		Vanadium				XXX	XXX			XXX		XXX
		Zinc			XXX		XXX		XXX			XXX
10	Hydrides	Antimony		XXX						XXX		XXX
		Arsenic		XXX					XXX			XXX
		Selenium				XXX					XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX	XXX				XXX	XXX
12	Mercury	Mercury			XXX		XXX		XXX			
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX							

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

NAME OF EFFLUENT STREAM:			Effluent from Genetron* Collection Sump				Mailloux Quarry Effluent	HF Bleed Effluent				East Road Drain Effluent
EFFLUENT STREAM TYPE:			Process				Storm	Process				Storm
TOXICITY TEST REQUIRED:			No				No	No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				None	Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None	Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No	No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
15	Sulphide	Sulphide				XXX	XXX				XXX	XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane			XXX							
		1,1,2-Trichloroethane				XXX						
		1,1-Dichloroethane				XXX						
		1,1-Dichloroethylene				XXX						
		1,2-Dichlorobenzene				XXX						
		1,2-Dichloroethane (Ethylene dichloride)				XXX						
		1,2-Dichloropropane				XXX						
		1,3-Dichlorobenzene				XXX						
		1,4-Dichlorobenzene				XXX						
		Bromoform				XXX						
		Bromomethane				XXX						
		Carbon tetrachloride		XXX								
		Chlorobenzene				XXX						
		Chloroform		XXX								
		Chloromethane				XXX						
		Cis-1,3-Dichloropropylene				XXX						
		Dibromochloromethane				XXX						
		Ethylene dibromide				XXX						
		Methylene chloride		XXX								
		Tetrachloroethylene (Perchloroethylene)				XXX						
		Trans-1,2-Dichloroethylene				XXX						

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Genetron* Collection Sump				Mailloux Quarry Effluent	HF Bleed Effluent				East Road Drain Effluent
		EFFLUENT STREAM TYPE:	Process				Storm	Process				Storm
		TOXICITY TEST REQUIRED:	No				No	No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				None	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days					60 days				
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				None	Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days					180 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
16	Volatiles, Halogenated (continued)	Trans-1,3-Dichloropropylene				XXX						
		Trichloroethylene				XXX						
		Trichlorofluoromethane		XXX								
		Vinyl chloride (Chloroethylene)				XXX						
17	Volatiles, Non-Halogenated	Benzene				XXX						
		Styrene				XXX						
		Toluene		XXX								
		o-Xylene				XXX						
		m-Xylene and p-Xylene				XXX						
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX						
		1,2,3,5-Tetrachlorobenzene				XXX						
		1,2,4,5-Tetrachlorobenzene				XXX						
		1,2,3-Trichlorobenzene				XXX						
		1,2,4-Trichlorobenzene				XXX						
		2,4,5-Trichlorotoluene				XXX						
		Hexachlorobenzene				XXX						
		Hexachlorobutadiene				XXX						
		Hexachlorocyclopentadiene				XXX						
		Hexachloroethane				XXX						
		Octachlorostyrene				XXX						
		Pentachlorobenzene				XXX						

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Effluent from Genetron* Collection Sump				Mailloux Quarry Effluent	HF Bleed Effluent				East Road Drain Effluent
		EFFLUENT STREAM TYPE:	Process				Storm	Process				Storm
		TOXICITY TEST REQUIRED:	No				No	No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None	Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				XXX					XXX	
		Octachlorodibenzo-p-dioxin				XXX					XXX	
		Octachlorodibenzofuran				XXX					XXX	
		Total heptachlorinated dibenzo-p-dioxins				XXX					XXX	
		Total heptachlorinated dibenzofurans				XXX					XXX	
		Total hexachlorinated dibenzo-p-dioxins				XXX					XXX	
		Total hexachlorinated dibenzofurans				XXX					XXX	
		Total pentachlorinated dibenzo-p-dioxins				XXX					XXX	
		Total pentachlorinated dibenzofurans				XXX					XXX	
		Total tetrachlorinated dibenzo-p-dioxins				XXX					XXX	
		Total tetrachlorinated dibenzofurans				XXX					XXX	
25	Solvent Extractables	Oil and grease			XXX		XXX			XXX		XXX
IC1†	Chloride	Chloride					XXX		XXX			XXX
IC2†	Fluoride	Fluoride		XXX			XXX		XXX			XXX
IC3†	Sulphate	Sulphate					XXX		XXX			

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Process			
		TOXICITY TEST REQUIRED:	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
2	Total cyanide	Total cyanide				
3	Hydrogen ion (pH)	Hydrogen ion (pH)				
4a	Nitrogen	Ammonia plus Ammonium				
		Total Kjeldahl nitrogen				
4b		Nitrate + Nitrite				
5a	Organic carbon	Dissolved organic carbon (DOC)				
5b		Total organic carbon (TOC) (NOTE 1)				
6	Total phosphorus	Total phosphorus				
7	Specific conductance	Specific conductance				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)				
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum				
		Beryllium				
		Boron				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

NAME OF EFFLUENT STREAM:			Hydrochloric Acid Stream			
EFFLUENT STREAM TYPE:			Process			
TOXICITY TEST REQUIRED:			No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No			
FREQUENCY OF SAMPLING:			D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Cadmium				
		Chromium				
		Cobalt				
		Copper				
		Lead				
		Molybdenum				
		Nickel				
		Silver				
		Strontium				
		Thallium				
		Vanadium				
		Zinc				
10	Hydrides	Antimony				
		Arsenic				
		Selenium				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				
12	Mercury	Mercury				
14	Phenolics (4AAP)	Phenolics (4AAP)				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Process			
		TOXICITY TEST REQUIRED:	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
15	Sulphide	Sulphide				
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX
		1,1,2-Trichloroethane				XXX
		1,1-Dichloroethane				XXX
		1,1-Dichloroethylene				XXX
		1,2-Dichlorobenzene				XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX
		1,2-Dichloropropane				XXX
		1,3-Dichlorobenzene				XXX
		1,4-Dichlorobenzene				XXX
		Bromoform				XXX
		Bromomethane				XXX
		Carbon tetrachloride		XXX		
		Chlorobenzene				XXX
		Chloroform		XXX		
		Chloromethane				XXX
		Cis-1,3-Dichloropropylene				XXX
		Dibromochloromethane				XXX
		Ethylene dibromide				XXX
		Methylene chloride		XXX		
		Tetrachloroethylene (Perchloroethylene)				XXX
		Trans-1,2-Dichloroethylene				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Process			
		TOXICITY TEST REQUIRED:	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
16	Volatiles, Halogenated (continued)	Trans-1,3-Dichloropropylene				XXX
		Trichloroethylene				XXX
		Trichlorofluoromethane		XXX		
		Vinyl chloride (Chloroethylene)				XXX
17	Volatiles, Non-Halogenated	Benzene				XXX
		Styrene				XXX
		Toluene		XXX		
		o-Xylene				XXX
		m-Xylene and p-Xylene				XXX
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX
		1,2,3,5-Tetrachlorobenzene				XXX
		1,2,4,5-Tetrachlorobenzene				XXX
		1,2,3-Trichlorobenzene				XXX
		1,2,4-Trichlorobenzene				XXX
		2,4,5-Trichlorotoluene				XXX
		Hexachlorobenzene				XXX
		Hexachlorobutadiene				XXX
		Hexachlorocyclopentadiene				XXX
		Hexachloroethane				XXX
		Octachlorostyrene				XXX
		Pentachlorobenzene				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A: AMHERSTBURG PLANT (ALLIED CHEMICALS CANADA INC.)

		NAME OF EFFLUENT STREAM:	Hydrochloric Acid Stream			
		EFFLUENT STREAM TYPE:	Process			
		TOXICITY TEST REQUIRED:	No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				
		Octachlorodibenzo-p-dioxin				
		Octachlorodibenzofuran				
		Total heptachlorinated dibenzo-p-dioxins				
		Total heptachlorinated dibenzofurans				
		Total hexachlorinated dibenzo-p-dioxins				
		Total hexachlorinated dibenzofurans				
		Total pentachlorinated dibenzo-p-dioxins				
		Total pentachlorinated dibenzofurans				
		Total tetrachlorinated dibenzo-p-dioxins				
		Total tetrachlorinated dibenzofurans				
25	Solvent Extractables	Oil and grease				
IC1†	Chloride	Chloride				
IC2†	Fluoride	Fluoride				
IC3†	Sulphate	Sulphate				

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EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

		NAME OF EFFLUENT STREAM:	Sewer B				Sewer C				Sewer D				Storm Sewer
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually				Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days				
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days				
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	XXX				XXX				XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium							XXX						XXX
		Total Kjeldahl nitrogen							XXX						XXX
4b		Nitrate + Nitrite							XXX						XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX				XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX				XXX		XXX
6	Total phosphorus	Total phosphorus			XXX				XXX				XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX				XXX
		Volatile suspended solids (VSS)													
9	Total metals	Aluminum		XXX				XXX				XXX			XXX
		Beryllium				XXX				XXX				XXX	XXX
		Boron				XXX				XXX				XXX	XXX
		Cadmium				XXX				XXX				XXX	XXX
		Chromium				XXX			XXX					XXX	XXX
		Cobalt				XXX				XXX				XXX	XXX
		Copper				XXX			XXX				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE C: CHIPPAWA PLANT (NORTON CANADA INC.)

		NAME OF EFFLUENT STREAM:	Sewer B				Sewer C				Sewer D				Storm Sewer
		EFFLUENT STREAM TYPE:	Combined				Combined				Combined				Storm
		TOXICITY TEST REQUIRED:	Yes				Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
9	Total metals (continued)	Lead				XXX				XXX				XXX	XXX
		Molybdenum				XXX			XXX					XXX	XXX
		Nickel				XXX				XXX				XXX	XXX
		Silver				XXX				XXX				XXX	XXX
		Strontium				XXX				XXX				XXX	XXX
		Thallium				XXX			XXX					XXX	XXX
		Vanadium				XXX				XXX				XXX	XXX
		Zinc			XXX				XXX				XXX		XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX			XXX					XXX	XXX
12	Mercury	Mercury			XXX				XXX				XXX		XXX
25	Solvent Extractables	Oil and grease			XXX				XXX				XXX		XXX
IC3†	Sulphate	Sulphate						XXX							XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe				
		EFFLUENT STREAM TYPE:	Process				Combined				Combined				
		TOXICITY TEST REQUIRED:	No				No				No				
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days				
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No				
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M	
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED													
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX				
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX				XXX				
		Total Kjeldahl nitrogen	XXX						XXX		XXX				
4b		Nitrate + Nitrite	XXX				XXX				XXX				
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX				XXX		
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX				XXX		
6	Total phosphorus	Total phosphorus			XXX		XXX					XXX			
7	Specific conductance	Specific conductance	XXX				XXX				XXX				
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX				
		Volatile suspended solids (VSS)													
9	Total metals	Aluminum			XXX				XXX					XXX	
		Beryllium				XXX				XXX				XXX	
		Boron				XXX				XXX				XXX	
		Cadmium				XXX				XXX				XXX	
		Chromium			XXX					XXX			XXX		
		Cobalt				XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
9	Total metals (continued)	Copper				XXX				XXX				XXX
		Lead				XXX				XXX				XXX
		Molybdenum				XXX				XXX				XXX
		Nickel			XXX					XXX				XXX
		Silver				XXX			XXX					XXX
		Strontium				XXX				XXX				XXX
		Thallium				XXX				XXX				XXX
		Vanadium			XXX					XXX			XXX	
		Zinc			XXX					XXX			XXX	
10	Hydrides	Antimony								XXX				
		Arsenic								XXX				
		Selenium								XXX				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)			XXX					XXX			XXX	
12	Mercury	Mercury								XXX				
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX			XXX					XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane								XXX				XXX
		1,1,2-Trichloroethane								XXX				XXX
		1,1-Dichloroethane								XXX				XXX
		1,1-Dichloroethylene								XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene								XXX				XXX
		1,2-Dichloroethane (Ethylene dichloride)								XXX				XXX
		1,2-Dichloropropane								XXX				XXX
		1,3-Dichlorobenzene								XXX				XXX
		1,4-Dichlorobenzene								XXX				XXX
		Bromoform								XXX				XXX
		Bromomethane								XXX				XXX
		Carbon tetrachloride								XXX				XXX
		Chlorobenzene								XXX				XXX
		Chloroform								XXX				XXX
		Chloromethane								XXX				XXX
		Cis-1,3-Dichloropropylene								XXX				XXX
		Dibromochloromethane								XXX				XXX
		Ethylene dibromide								XXX				XXX
		Methylene chloride								XXX				XXX
		Tetrachloroethylene (Perchloroethylene)								XXX				XXX
		Trans-1,2-Dichloroethylene								XXX				XXX
		Trans-1,3-Dichloropropylene								XXX				XXX
		Trichloroethylene								XXX				XXX
		Trichlorofluoromethane								XXX				XXX
		Vinyl chloride (Chloroethylene)								XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
17	Volatiles, Non-Halogenated	Benzene								XXX				
		Styrene								XXX				
		Toluene								XXX				
		o-Xylene								XXX				
		m-Xylene and p-Xylene								XXX				
19	Extractables, Base Neutral	Acenaphthene												
		5-nitro Acenaphthene												
		Acenaphthylene												
		Anthracene												
		Benz(a)anthracene												
		Benzo(a)pyrene												
		Benzo(b)fluoranthene												
		Benzo(g,h,i)perylene												
		Benzo(k)fluoranthene												
		Biphenyl												
		Camphene												
		1-Chloronaphthalene												
		2-Chloronaphthalene												
		Chrysene												
		Dibenz(a,h)anthracene												
		Fluoranthene												
		Fluorene												
		Indeno(1,2,3-cd)pyrene												

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
19	Extractables, Base Neutral (continued)	Indole												
		1-Methylnaphthalene												
		2-Methylnaphthalene												
		Naphthalene												
		Perylene												
		Phenanthrene												
		Pyrene												
		Benzyl butyl phthalate								XXX				
		Bis(2-ethylhexyl) phthalate								XXX				
		Di-n-butyl phthalate								XXX				
		4-Bromophenyl phenyl ether								XXX				
		4-Chlorophenyl phenyl ether								XXX				
		Bis(2-chloroisopropyl)ether								XXX				
		Bis(2-chloroethyl)ether								XXX				
		Diphenyl ether								XXX				
		2,4-Dinitrotoluene					XXX							
		2,6-Dinitrotoluene					XXX							
		Bis(2-chloroethoxy)methane								XXX				
		Diphenylamine								XXX				
		N-Nitrosodiphenylamine								XXX				
		N-Nitrosodi-n-propylamine								XXX				
25	Solvent Extractables	Oil and grease			XXX				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Drainage Ditch after Emergency Containment Basin				Effluent from Gypsum Ponds				Effluent from 30" Concrete Pipe			
		EFFLUENT STREAM TYPE:	Process				Combined				Combined			
		TOXICITY TEST REQUIRED:	No				No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED												
IC2†	Fluoride	Fluoride			XXX		XXX					XXX		
IC3†	Sulphate	Sulphate		XXX				XXX				XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	OTCW	Combined				Combined			
		TOXICITY TEST REQUIRED:	No	No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	None	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		60 days				60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	None	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No				No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX				XXX			
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX				XXX			
		Total Kjeldahl nitrogen	XXX	XXX				XXX			
4b		Nitrate + Nitrite	XXX	XXX				XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX			XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)	XXX			XXX				XXX	
6	Total phosphorus	Total phosphorus	XXX			XXX				XXX	
7	Specific conductance	Specific conductance	XXX	XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX				XXX			
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum	XXX				XXX				XXX
		Beryllium	XXX				XXX				XXX
		Boron	XXX				XXX				XXX
		Cadmium	XXX				XXX				XXX
		Chromium	XXX				XXX				XXX
		Cobalt	XXX				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent in 42" from A-II			
EFFLUENT STREAM TYPE:			OTCW	Combined				Combined			
TOXICITY TEST REQUIRED:			No	No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days				Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No				No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Copper	XXX				XXX				XXX
		Lead	XXX				XXX				XXX
		Molybdenum	XXX				XXX				XXX
		Nickel	XXX				XXX				XXX
		Silver	XXX				XXX				XXX
		Strontium	XXX				XXX				XXX
		Thallium	XXX				XXX				XXX
		Vanadium	XXX				XXX				XXX
		Zinc	XXX				XXX				XXX
10	Hydrides	Antimony									XXX
		Arsenic									XXX
		Selenium									XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX				XXX				XXX
12	Mercury	Mercury									
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX				XXX				XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane									
		1,1,2-Trichloroethane									
		1,1-Dichloroethane									
		1,1-Dichloroethylene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent in 42" from A-II			
EFFLUENT STREAM TYPE:			OTCW	Combined				Combined			
TOXICITY TEST REQUIRED:			No	No				No			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days				Quarterly 60 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No				No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene									
		1,2-Dichloroethane (Ethylene dichloride)									
		1,2-Dichloropropane									
		1,3-Dichlorobenzene									
		1,4-Dichlorobenzene									
		Bromoform									
		Bromomethane									
		Carbon tetrachloride									
		Chlorobenzene									
		Chloroform									
		Chloromethane									
		Cis-1,3-Dichloropropylene									
		Dibromochloromethane									
		Ethylene dibromide									
		Methylene chloride									
		Tetrachloroethylene (Perchloroethylene)									
		Trans-1,2-Dichloroethylene									
		Trans-1,3-Dichloropropylene									
		Trichloroethylene									
		Trichlorofluoromethane									
		Vinyl chloride (Chloroethylene)									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	OTCW	Combined				Combined			
		TOXICITY TEST REQUIRED:	No	No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No				No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
17	Volatiles, Non-Halogenated	Benzene									XXX
		Styrene									XXX
		Toluene									XXX
		o-Xylene									XXX
		m-Xylene and p-Xylene									XXX
19	Extractables, Base Neutral	Acenaphthene									
		5-nitro Acenaphthene									
		Acenaphthylene									
		Anthracene									
		Benz(a)anthracene									
		Benzo(a)pyrene									
		Benzo(b)fluoranthene									
		Benzo(g,h,i)perylene									
		Benzo(k)fluoranthene									
		Biphenyl									
		Camphene									
		1-Chloronaphthalene									
		2-Chloronaphthalene									
		Chrysene									
		Dibenz(a,h)anthracene									
		Fluoranthene									
		Fluorene									
		Indeno(1,2,3-cd)pyrene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent In 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent in 42" from A-II			
		EFFLUENT STREAM TYPE:	OTCW	Combined				Combined			
		TOXICITY TEST REQUIRED:	No	No				No			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days				Quarterly 60 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days				Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No				No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	Indole									
		1-Methylnaphthalene									
		2-Methylnaphthalene									
		Naphthalene									
		Perylene									
		Phenanthrene									
		Pyrene									
		Benzyl butyl phthalate									
		Bis(2-ethylhexyl) phthalate									
		Di-n-butyl phthalate									
		4-Bromophenyl phenyl ether									
		4-Chlorophenyl phenyl ether									
		Bis(2-chloroisopropyl)ether									
		Bis(2-chloroethyl)ether									
		Diphenyl ether									
		2,4-Dinitrotoluene									
		2,6-Dinitrotoluene									
		Bis(2-chloroethoxy)methane									
		Diphenylamine									
		N-Nitrosodiphenylamine									
		N-Nitrosodi-n-propylamine									
25	Solvent Extractables	Oil and grease	XXX			XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent In 18" Black Polyethylene Pipe	Effluent in Manhole #55				Effluent In 42" from A-II		
EFFLUENT STREAM TYPE:			OTCW	Combined				Combined		
TOXICITY TEST REQUIRED:			No	No				No		
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Quarterly 60 days				Quarterly 60 days		
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	Semi-annually 180 days				Semi-annually 180 days		
QUALITY CONTROL MONITORING REQUIRED:			No	No				No		
FREQUENCY OF SAMPLING:			M	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
IC2†	Fluoride	Fluoride									
IC3†	Sulphate	Sulphate	XXX								

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX
4a	Nitrogen	Ammonia plus Ammonium				XXX				XXX	XXX
		Total Kjeldahl nitrogen				XXX				XXX	
4b		Nitrate + Nitrite				XXX				XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX		XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX		XXX
6	Total phosphorus	Total phosphorus			XXX				XXX		XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum				XXX				XXX	
		Beryllium				XXX				XXX	
		Boron				XXX				XXX	
		Cadmium				XXX				XXX	
		Chromium				XXX				XXX	
		Cobalt				XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Copper				XXX				XXX	
		Lead				XXX				XXX	
		Molybdenum				XXX				XXX	
		Nickel				XXX				XXX	
		Silver				XXX				XXX	
		Strontium				XXX				XXX	
		Thallium				XXX				XXX	
		Vanadium				XXX				XXX	
		Zinc				XXX				XXX	
10	Hydrides	Antimony				XXX				XXX	
		Arsenic				XXX				XXX	
		Selenium				XXX				XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX	
12	Mercury	Mercury									
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane									
		1,1,2-Trichloroethane									
		1,1-Dichloroethane									
		1,1-Dichloroethylene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
		EFFLUENT STREAM TYPE:	Batch				Combined				OTCW
		TOXICITY TEST REQUIRED:	No				No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene									
		1,2-Dichloroethane (Ethylene dichloride)									
		1,2-Dichloropropane									
		1,3-Dichlorobenzene									
		1,4-Dichlorobenzene									
		Bromoform									
		Bromomethane									
		Carbon tetrachloride									
		Chlorobenzene									
		Chloroform									
		Chloromethane									
		Cis-1,3-Dichloropropylene									
		Dibromochloromethane									
		Ethylene dibromide									
		Methylene chloride									
		Tetrachloroethylene (Perchloroethylene)									
		Trans-1,2-Dichloroethylene									
		Trans-1,3-Dichloropropylene									
		Trichloroethylene									
		Trichlorofluoromethane									
		Vinyl chloride (Chloroethylene)									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Semi-annually				Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				60 days				
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually				Semi-annually				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days				180 days				
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
17	Volatiles, Non-Halogenated	Benzene									
		Styrene									
		Toluene									
		o-Xylene									
		m-Xylene and p-Xylene									
19	Extractables, Base Neutral	Acenaphthene									
		5-nitro Acenaphthene									
		Acenaphthylene									
		Anthracene									
		Benz(a)anthracene									
		Benzo(a)pyrene									
		Benzo(b)fluoranthene									
		Benzo(g,h,i)perylene									
		Benzo(k)fluoranthene									
		Biphenyl									
		Camphene									
		1-Chloronaphthalene									
		2-Chloronaphthalene									
		Chrysene									
		Dibenz(a,h)anthracene									
		Fluoranthene									
		Fluorene									
		Indeno(1,2,3-cd)pyrene									

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
		EFFLUENT STREAM TYPE:	Batch				Combined				OTCW
		TOXICITY TEST REQUIRED:	No				No				No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Quarterly 60 days				None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		QUALITY CONTROL MONITORING REQUIRED:	No				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	Indole									
		1-Methylnaphthalene									
		2-Methylnaphthalene									
		Naphthalene									
		Perylene									
		Phenanthrene									
		Pyrene									
		Benzyl butyl phthalate									
		Bis(2-ethylhexyl) phthalate									
		Di-n-butyl phthalate									
		4-Bromophenyl phenyl ether									
		4-Chlorophenyl phenyl ether									
		Bis(2-chloroisopropyl)ether									
		Bis(2-chloroethyl)ether									
		Diphenyl ether									
		2,4-Dinitrotoluene									
		2,6-Dinitrotoluene									
		Bis(2-chloroethoxy)methane									
		Diphenylamine									
		N-Nitrosodiphenylamine									
		N-Nitrosodi-n-propylamine									
25	Solvent Extractables	Oil and grease			XXX				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent from A-I Regenerator				A-II Neutralizer Pit Overflow				Effluent in 72" Line from A-I
EFFLUENT STREAM TYPE:			Batch				Combined				OTCW
TOXICITY TEST REQUIRED:			No				No				No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Quarterly 60 days				None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days				None
QUALITY CONTROL MONITORING REQUIRED:			No				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
IC2†	Fluoride	Fluoride									
IC3†	Sulphate	Sulphate			XXX				XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
		EFFLUENT STREAM TYPE:	OTCW	Combined			
		TOXICITY TEST REQUIRED:	No	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
9	Total metals (continued)	Copper					
		Lead					
		Molybdenum					
		Nickel					
		Silver					
		Strontium					
		Thallium					
		Vanadium					
		Zinc					
10	Hydrides	Antimony	XXX				
		Arsenic	XXX				
		Selenium	XXX				
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)					
12	Mercury	Mercury					
14	Phenolics (4AAP)	Phenolics (4AAP)					
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane					
		1,1,2-Trichloroethane					
		1,1-Dichloroethane					
		1,1-Dichloroethylene					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:			Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:			OTCW	Combined			
TOXICITY TEST REQUIRED:			No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**			None	Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**			None	Quarterly 60 days			
QUALITY CONTROL MONITORING REQUIRED:			No	No			
FREQUENCY OF SAMPLING:			M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**					
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene					
		1,2-Dichloroethane (Ethylene dichloride)					
		1,2-Dichloropropane					
		1,3-Dichlorobenzene					
		1,4-Dichlorobenzene					
		Bromoform					
		Bromomethane					
		Carbon tetrachloride					
		Chlorobenzene					
		Chloroform					
		Chloromethane					
		Cis-1,3-Dichloropropylene					
		Dibromochloromethane					
		Ethylene dibromide					
		Methylene chloride					
		Tetrachloroethylene (Perchloroethylene)					
		Trans-1,2-Dichloroethylene					
		Trans-1,3-Dichloropropylene					
		Trichloroethylene					
		Trichlorofluoromethane					
		Vinyl chloride (Chloroethylene)					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent In Open Ditch from Ammonia Storage	Plant Final Effluent			
		EFFLUENT STREAM TYPE:	OTCW	Combined			
		TOXICITY TEST REQUIRED:	No	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
17	Volatiles, Non-Halogenated	Benzene					
		Styrene					
		Toluene					
		o-Xylene					
		m-Xylene and p-Xylene					
19	Extractables, Base Neutral	Acenaphthene					
		5-nitro Acenaphthene					
		Acenaphthylene					
		Anthracene					
		Benz(a)anthracene					
		Benzo(a)pyrene					
		Benzo(b)fluoranthene					
		Benzo(g,h,i)perylene					
		Benzo(k)fluoranthene					
		Biphenyl					
		Camphene					
		1-Chloronaphthalene					
		2-Chloronaphthalene					
		Chrysene					
		Dibenz(a,h)anthracene					
		Fluoranthene					
		Fluorene					
		Indeno(1,2,3-cd)pyrene					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

		NAME OF EFFLUENT STREAM:	Effluent In Open Ditch from Ammonia Storage	Plant Final Effluent			
		EFFLUENT STREAM TYPE:	OTCW	Combined			
		TOXICITY TEST REQUIRED:	No	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	Quarterly 60 days			
		QUALITY CONTROL MONITORING REQUIRED:	No	No			
		FREQUENCY OF SAMPLING:	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Indole					
		1-Methylnaphthalene					
		2-Methylnaphthalene					
		Naphthalene					
		Perylene					
		Phenanthrene					
		Pyrene					
		Benzyl butyl phthalate					
		Bis(2-ethylhexyl) phthalate					
		Di-n-butyl phthalate					
		4-Bromophenyl phenyl ether					
		4-Chlorophenyl phenyl ether					
		Bis(2-chloroisopropyl)ether					
		Bis(2-chloroethyl)ether					
		Diphenyl ether					
		2,4-Dinitrotoluene					
		2,6-Dinitrotoluene					
		Bis(2-chloroethoxy)methane					
		Diphenylamine					
		N-Nitrosodiphenylamine					
		N-Nitrosodi-n-propylamine					
25	Solvent Extractables	Oil and grease	XXX			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE H: LAMBTON WORKS (C-I-L INC.)

NAME OF EFFLUENT STREAM:		Effluent in Open Ditch from Ammonia Storage	Plant Final Effluent			
EFFLUENT STREAM TYPE:		OTCW	Combined			
TOXICITY TEST REQUIRED:		No	Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):		None	Semi-annually			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:		None	Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days			
QUALITY CONTROL MONITORING REQUIRED:		No	No			
FREQUENCY OF SAMPLING:		M	D	TW	W	M
ANALYTICAL TEST GROUP	PARAMETERS TO BE ANALYZED					
C2† Fluoride	Fluoride					
C3† Sulphate	Sulphate					

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

NAME OF EFFLUENT STREAM:			Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
EFFLUENT STREAM TYPE:			Combined				Storm	Emergency Overflow
TOXICITY TEST REQUIRED:			Yes				No	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Monthly 2 weeks				None	None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No	No
FREQUENCY OF SAMPLING:			D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	XXX				XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX				XXX	XXX
		Total Kjeldahl nitrogen	XXX				XXX	XXX
4b		Nitrate + Nitrite	XXX				XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX		XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX		XXX	XXX
6	Total phosphorus	Total phosphorus			XXX		XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX	XXX
		Volatile suspended solids (VSS)						
9	Total metals	Aluminum			XXX		XXX	XXX
		Beryllium				XXX	XXX	XXX
		Boron				XXX	XXX	XXX
		Cadmium				XXX	XXX	XXX
		Chromium				XXX	XXX	XXX
		Cobalt				XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
9	Total metals (continued)	Copper			XXX		XXX	XXX
		Lead				XXX	XXX	XXX
		Molybdenum				XXX	XXX	XXX
		Nickel				XXX	XXX	XXX
		Silver				XXX	XXX	XXX
		Strontium				XXX	XXX	XXX
		Thallium				XXX	XXX	XXX
		Vanadium			XXX		XXX	XXX
		Zinc			XXX		XXX	XXX
10	Hydrides	Antimony				XXX	XXX	XXX
		Arsenic			XXX		XXX	XXX
		Selenium			XXX		XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX		XXX
12	Mercury	Mercury			XXX			XXX
14	Phenolics (4AAP)	Phenolics (4AAP)			XXX			XXX
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				XXX		XXX
		1,1,2-Trichloroethane				XXX		XXX
		1,1-Dichloroethane			XXX			XXX
		1,1-Dichloroethylene			XXX			XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
16	Volatiles, Halogenated (continued)	1,2-Dichlorobenzene				XXX		XXX
		1,2-Dichloroethane (Ethylene dichloride)				XXX		XXX
		1,2-Dichloropropane				XXX		XXX
		1,3-Dichlorobenzene				XXX		XXX
		1,4-Dichlorobenzene			XXX			XXX
		Bromoform				XXX		XXX
		Bromomethane				XXX		XXX
		Carbon tetrachloride			XXX			XXX
		Chlorobenzene				XXX		XXX
		Chloroform			XXX			XXX
		Chloromethane				XXX		XXX
		Cis-1,3-Dichloropropylene				XXX		XXX
		Dibromochloromethane				XXX		XXX
		Ethylene dibromide				XXX		XXX
		Methylene chloride				XXX		XXX
		Tetrachloroethylene (Perchloroethylene)			XXX			XXX
		Trans-1,2-Dichloroethylene				XXX		XXX
		Trans-1,3-Dichloropropylene				XXX		XXX
		Trichloroethylene			XXX			XXX
		Trichlorofluoromethane				XXX		XXX
		Vinyl chloride (Chloroethylene)				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

NAME OF EFFLUENT STREAM:			Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
EFFLUENT STREAM TYPE:			Combined				Storm	Emergency Overflow
TOXICITY TEST REQUIRED:			Yes				No	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Quarterly				None	None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days					
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Monthly				None	None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			2 weeks					
QUALITY CONTROL MONITORING REQUIRED:			Yes				No	No
FREQUENCY OF SAMPLING:			D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
17	Volatiles, Non-Halogenated	Benzene				XXX		XXX
		Styrene				XXX		XXX
		Toluene				XXX		XXX
		o-Xylene				XXX		XXX
		m-Xylene and p-Xylene				XXX		XXX
19	Extractables, Base Neutral	Acenaphthene				XXX		XXX
		5-nitro Acenaphthene				XXX		XXX
		Acenaphthylene				XXX		XXX
		Anthracene				XXX		XXX
		Benz(a)anthracene				XXX		XXX
		Benzo(a)pyrene				XXX		XXX
		Benzo(b)fluoranthene				XXX		XXX
		Benzo(g,h,i)perylene				XXX		XXX
		Benzo(k)fluoranthene				XXX		XXX
		Biphenyl				XXX		XXX
		Camphene				XXX		XXX
		1-Chloronaphthalene				XXX		XXX
		2-Chloronaphthalene				XXX		XXX
		Chrysene				XXX		XXX
		Dibenz(a,h)anthracene				XXX		XXX
		Fluoranthene				XXX		XXX
		Fluorene				XXX		XXX
		Indeno(1,2,3-cd)pyrene				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
19	Extractables, Base Neutral (continued)	Indole				XXX		XXX
		1-Methylnaphthalene				XXX		XXX
		2-Methylnaphthalene				XXX		XXX
		Naphthalene				XXX		XXX
		Perylene				XXX		XXX
		Phenanthrene				XXX		XXX
		Pyrene				XXX		XXX
		Benzyl butyl phthalate				XXX		XXX
		Bis(2-ethylhexyl) phthalate				XXX		XXX
		Di-n-butyl phthalate				XXX		XXX
		4-Bromophenyl phenyl ether				XXX		XXX
		4-Chlorophenyl phenyl ether				XXX		XXX
		Bis(2-chloroisopropyl)ether				XXX		XXX
		Bis(2-chloroethyl)ether				XXX		XXX
		Diphenyl ether				XXX		XXX
		2,4-Dinitrotoluene				XXX		XXX
		2,6-Dinitrotoluene				XXX		XXX
		Bis(2-chloroethoxy)methane				XXX		XXX
		Diphenylamine				XXX		XXX
		N-Nitrosodiphenylamine				XXX		XXX
		N-Nitrosodi-n-propylamine				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Monthly 2 weeks				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				XXX		XXX
		2,3,4,6-Tetrachlorophenol				XXX		XXX
		2,3,5,6-Tetrachlorophenol				XXX		XXX
		2,3,4-Trichlorophenol				XXX		XXX
		2,3,5-Trichlorophenol				XXX		XXX
		2,4,5-Trichlorophenol				XXX		XXX
		2,4,6-Trichlorophenol				XXX		XXX
		2,4-Dimethyl phenol				XXX		XXX
		2,4-Dinitrophenol				XXX		XXX
		2,4-Dichlorophenol				XXX		XXX
		2,6-Dichlorophenol				XXX		XXX
		4,6-Dinitro-o-cresol				XXX		XXX
		2-Chlorophenol				XXX		XXX
		4-Chloro-3-methylphenol				XXX		XXX
		4-Nitrophenol				XXX		XXX
		m-Cresol				XXX		XXX
		o-Cresol				XXX		XXX
		p-Cresol				XXX		XXX
		Pentachlorophenol				XXX		XXX
		Phenol			XXX			XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days					
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks					
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene				XXX		XXX
		1,2,3,5-Tetrachlorobenzene				XXX		XXX
		1,2,4,5-Tetrachlorobenzene				XXX		XXX
		1,2,3-Trichlorobenzene				XXX		XXX
		1,2,4-Trichlorobenzene				XXX		XXX
		2,4,5-Trichlorotoluene				XXX		XXX
		Hexachlorobenzene				XXX		XXX
		Hexachlorobutadiene				XXX		XXX
		Hexachlorocyclopentadiene				XXX		XXX
		Hexachloroethane				XXX		XXX
		Octachlorostyrene				XXX		XXX
		Pentachlorobenzene				XXX		XXX
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin				XXX		XXX
		Octachlorodibenzo-p-dioxin				XXX		XXX
		Octachlorodibenzofuran				XXX		XXX
		Total heptachlorinated dibenzo-p-dioxins				XXX		XXX
		Total heptachlorinated dibenzofurans				XXX		XXX
		Total hexachlorinated dibenzo-p-dioxins				XXX		XXX
		Total hexachlorinated dibenzofurans				XXX		XXX
		Total pentachlorinated dibenzo-p-dioxins				XXX		XXX
		Total pentachlorinated dibenzofurans				XXX		XXX
		Total tetrachlorinated dibenzo-p-dioxins				XXX		XXX
		Total tetrachlorinated dibenzofurans				XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE I: MAITLAND PLANT (NITROCHEM INC.)

		NAME OF EFFLUENT STREAM:	Final Effluent				Storm Effluent at Brochem Rd.	Emergency Overflow at Brochem Rd.
		EFFLUENT STREAM TYPE:	Combined				Storm	Emergency Overflow
		TOXICITY TEST REQUIRED:	Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Quarterly				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days					
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Monthly				None	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	2 weeks					
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M	during discharge
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED						
25	Solvent Extractables	Oil and grease			XXX		XXX	XXX
27	Polychlorinated Biphenyls	PCBs (Total)			XXX			XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	Effluent from Queen Lagoon				Effluent from Old Lagoon				21" to Pell Creek	18" to Stanley Ave. Sewer
		EFFLUENT STREAM TYPE:	Combined				Combined				Storm	Storm
		TOXICITY TEST REQUIRED:	Yes				Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX				XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX		XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX		XXX	XXX
6	Total phosphorus	Total phosphorus			XXX				XXX		XXX	XXX
7	Specific conductance	Specific conductance	XXX				XXX				XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX				XXX	XXX
		Volatile suspended solids (VSS)										
9	Total metals	Aluminum			XXX				XXX		XXX	XXX
		Beryllium				XXX				XXX	XXX	XXX
		Boron				XXX				XXX	XXX	XXX
		Cadmium				XXX				XXX	XXX	XXX
		Chromium			XXX				XXX		XXX	XXX
		Cobalt				XXX				XXX	XXX	XXX
		Copper				XXX				XXX	XXX	XXX
		Lead				XXX				XXX	XXX	XXX
		Molybdenum				XXX				XXX	XXX	XXX
		Nickel				XXX				XXX	XXX	XXX
		Silver				XXX				XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	Effluent from Queen Lagoon				Effluent from Old Lagoon				21" to Pell Creek	18" to Stanley Ave. Sewer
		EFFLUENT STREAM TYPE:	Combined				Combined				Storm	Storm
		TOXICITY TEST REQUIRED:	Yes				Yes				No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No	No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED										
9	Total metals (continued)	Strontium				XXX				XXX	XXX	XXX
		Thallium				XXX				XXX	XXX	XXX
		Vanadium				XXX				XXX	XXX	XXX
		Zinc			XXX				XXX		XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)			XXX				XXX		XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)				XXX				XXX		
25	Solvent Extractables	Oil and grease			XXX				XXX		XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	10" at Manhole #1	12" from Fesic Building
		EFFLUENT STREAM TYPE:	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	XXX	XXX
		Beryllium	XXX	XXX
		Boron	XXX	XXX
		Cadmium	XXX	XXX
		Chromium	XXX	XXX
		Cobalt	XXX	XXX
		Copper	XXX	XXX
		Lead	XXX	XXX
		Molybdenum	XXX	XXX
		Nickel	XXX	XXX
		Silver	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE K: NIAGARA FALLS PLANT (WASHINGTON MILLS ELECTRO MINERALS CORPORATION)

		NAME OF EFFLUENT STREAM:	10" at Manhole #1	12" from Fesic Building
		EFFLUENT STREAM TYPE:	Storm	Storm
		TOXICITY TEST REQUIRED:	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Strontium	XXX	XXX
		Thallium	XXX	XXX
		Vanadium	XXX	XXX
		Zinc	XXX	XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX
14	Phenolics (4AAP)	Phenolics (4AAP)		
25	Solvent Extractables	Oil and grease	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE M: NIPISSING SITE (ETI EXPLOSIVES TECHNOLOGIES INTERNATIONAL (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Discharge at Weir	Effluent In West Storm Ditch	Effluent In Cooks Creek	Effluent In Beaver Pond Ditch
		EFFLUENT STREAM TYPE:	OTCW	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	Yes	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	XXX	XXX
		Total Kjeldahl nitrogen	XXX	XXX	XXX	XXX
4b		Nitrate + Nitrite	XXX	XXX	XXX	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE M: NIPISSING SITE (ETI EXPLOSIVES TECHNOLOGIES INTERNATIONAL (CANADA) LTD.)

		NAME OF EFFLUENT STREAM:	Discharge at Weir	Effluent in West Storm Ditch	Effluent In Cooks Creek	Effluent in Beaver Pond Ditch
		EFFLUENT STREAM TYPE:	OTCW	Storm	Storm	Storm
		TOXICITY TEST REQUIRED:	Yes	No	No	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes	No	No	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals	Aluminum	XXX	XXX	XXX	
		Beryllium	XXX	XXX	XXX	
		Boron	XXX	XXX	XXX	
		Cadmium	XXX	XXX	XXX	
		Chromium	XXX	XXX	XXX	
		Cobalt	XXX	XXX	XXX	
		Copper	XXX	XXX	XXX	
		Lead	XXX	XXX	XXX	
		Molybdenum	XXX	XXX	XXX	
		Nickel	XXX	XXX	XXX	
		Silver	XXX	XXX	XXX	
		Strontium	XXX	XXX	XXX	
		Thallium	XXX	XXX	XXX	
		Vanadium	XXX	XXX	XXX	
		Zinc	XXX	XXX	XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	XXX	XXX
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE R: SARNIA PLANT (PARTEK INSULATIONS LTD.)

		NAME OF EFFLUENT STREAM:	Effluent in East Storm Drain	Effluent in West Drain	Cooling Water Overflow Effluent	Effluent from Raw Material Storage Area
		EFFLUENT STREAM TYPE:	Storm	Storm	OTCW	Storm
		TOXICITY TEST REQUIRED:	No	No	Yes	No
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	Yes	No
		FREQUENCY OF SAMPLING:	M	M	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	XXX	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX		XXX
		Total Kjeldahl nitrogen	XXX	XXX		XXX
4b		Nitrate + Nitrite	XXX	XXX		XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX	XXX
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	XXX	XXX		
		Beryllium	XXX	XXX		
		Boron	XXX	XXX		
		Cadmium	XXX	XXX		
		Chromium	XXX	XXX		
		Cobalt	XXX	XXX		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE R: SARNIA PLANT (PARTEK INSULATIONS LTD.)

NAME OF EFFLUENT STREAM:			Effluent in East Storm Drain	Effluent in West Drain	Cooling Water Overflow Effluent	Effluent from Raw Material Storage Area
EFFLUENT STREAM TYPE:			Storm	Storm	OTCW	Storm
TOXICITY TEST REQUIRED:			No	No	Yes	No
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None	None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None	None	None
QUALITY CONTROL MONITORING REQUIRED:			No	No	Yes	No
FREQUENCY OF SAMPLING:			M	M	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Copper	XXX	XXX		
		Lead	XXX	XXX		
		Molybdenum	XXX	XXX		
		Nickel	XXX	XXX		
		Silver	XXX	XXX		
		Strontium	XXX	XXX		
		Thallium	XXX	XXX		XXX
		Vanadium	XXX	XXX		XXX
		Zinc	XXX	XXX		XXX
10	Hydrides	Antimony	XXX	XXX		XXX
		Arsenic	XXX	XXX		XXX
		Selenium	XXX	XXX		XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX		XXX
12	Mercury	Mercury				
14	Phenolics (4AAP)	Phenolics (4AAP)	XXX	XXX		XXX
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX	XXX
IC3†	Sulphate	Sulphate	XXX	XXX		XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
EFFLUENT STREAM TYPE:			Batch	Batch	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
QUALITY CONTROL MONITORING REQUIRED:			No	No	Yes
FREQUENCY OF SAMPLING:			during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
2	Total cyanide	Total cyanide	XXX		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX	XXX	
		Total Kjeldahl nitrogen	XXX	XXX	
4b		Nitrate + Nitrite	XXX	XXX	
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX	XXX
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum	XXX	XXX	
		Beryllium	XXX	XXX	
		Boron	XXX	XXX	
		Cadmium	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
		EFFLUENT STREAM TYPE:	Batch	Batch	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No	Yes
		FREQUENCY OF SAMPLING:	during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Chromium	XXX	XXX	
		Cobalt	XXX	XXX	
		Copper	XXX	XXX	
		Lead	XXX	XXX	
		Molybdenum	XXX	XXX	
		Nickel	XXX	XXX	
		Silver	XXX	XXX	
		Strontium	XXX	XXX	
		Thallium	XXX	XXX	
		Vanadium	XXX	XXX	
		Zinc	XXX	XXX	
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)	XXX	XXX	
12	Mercury	Mercury	XXX		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	XXX	XXX	
		1,1,2-Trichloroethane	XXX	XXX	
		1,1-Dichloroethane	XXX	XXX	
		1,1-Dichloroethylene	XXX	XXX	
		1,2-Dichlorobenzene	XXX	XXX	
		1,2-Dichloroethane (Ethylene dichloride)	XXX	XXX	
		1,2-Dichloropropane	XXX	XXX	
		1,3-Dichlorobenzene	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
EFFLUENT STREAM TYPE:			Batch	Batch	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days	Semi-annually 180 days	None
QUALITY CONTROL MONITORING REQUIRED:			No	No	Yes
FREQUENCY OF SAMPLING:			during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
16	Volatiles, Halogenated (continued)	1,4-Dichlorobenzene	XXX	XXX	
		Bromoform	XXX	XXX	
		Bromomethane	XXX	XXX	
		Carbon tetrachloride	XXX	XXX	
		Chlorobenzene	XXX	XXX	
		Chloroform	XXX	XXX	
		Chloromethane	XXX	XXX	
		Cis-1,3-Dichloropropylene	XXX	XXX	
		Dibromochloromethane	XXX	XXX	
		Ethylene dibromide	XXX	XXX	
		Methylene chloride	XXX	XXX	
		Tetrachloroethylene (Perchloroethylene)	XXX	XXX	
		Trans-1,2-Dichloroethylene	XXX	XXX	
		Trans-1,3-Dichloropropylene	XXX	XXX	
		Trichloroethylene	XXX	XXX	
		Trichlorofluoromethane	XXX	XXX	
		Vinyl chloride (Chloroethylene)	XXX	XXX	
17	Volatiles, Non-Halogenated	Benzene	XXX	XXX	
		Styrene	XXX	XXX	
		Toluene	XXX	XXX	
		o-Xylene	XXX	XXX	
		m-Xylene and p-Xylene	XXX	XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from South Lagoon	Effluent from #1 Lagoon	Effluent from Chlorine Filling Unit
EFFLUENT STREAM TYPE:			Batch	Batch	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):			Semi-annually	Semi-annually	None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days	180 days	
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:			Semi-annually	Semi-annually	None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			180 days	180 days	
QUALITY CONTROL MONITORING REQUIRED:			No	No	Yes
FREQUENCY OF SAMPLING:			during discharge	during discharge	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	XXX	XXX	
		1,2,3,5-Tetrachlorobenzene	XXX	XXX	
		1,2,4,5-Tetrachlorobenzene	XXX	XXX	
		1,2,3-Trichlorobenzene	XXX	XXX	
		1,2,4-Trichlorobenzene	XXX	XXX	
		2,4,5-Trichlorotoluene	XXX	XXX	
		Hexachlorobenzene	XXX	XXX	
		Hexachlorobutadiene	XXX	XXX	
		Hexachlorocyclopentadiene	XXX	XXX	
		Hexachloroethane	XXX	XXX	
		Octachlorostyrene	XXX	XXX	
		Pentachlorobenzene	XXX	XXX	
25	Solvent Extractables	Oil and grease	XXX	XXX	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
		EFFLUENT STREAM TYPE:	OTCW	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: **CHARACTERIZATION SAMPLING MINIMUM INTERVAL:**	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**		
2	Total cyanide	Total cyanide		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX	XXX
4a	Nitrogen	Ammonia plus Ammonium		
		Total Kjeldahl nitrogen		
4b		Nitrate + Nitrite		
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX	XXX
6	Total phosphorus	Total phosphorus	XXX	XXX
7	Specific conductance	Specific conductance	XXX	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX	XXX
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum		
		Beryllium		
		Boron		
		Cadmium		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
EFFLUENT STREAM TYPE:			OTCW	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
QUALITY CONTROL MONITORING REQUIRED:			No	No
FREQUENCY OF SAMPLING:			M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Chromium		
		Cobalt		
		Copper		
		Lead		
		Molybdenum		
		Nickel		
		Silver		
		Strontium		
		Thallium		
		Vanadium		
		Zinc		
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)		
12	Mercury	Mercury		
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane		
		1,1,2-Trichloroethane		
		1,1-Dichloroethane		
		1,1-Dichloroethylene		
		1,2-Dichlorobenzene		
		1,2-Dichloroethane (Ethylene dichloride)		
		1,2-Dichloropropane		
		1,3-Dichlorobenzene		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

		NAME OF EFFLUENT STREAM:	Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
		EFFLUENT STREAM TYPE:	OTCW	OTCW
		TOXICITY TEST REQUIRED:	Yes	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	None
		QUALITY CONTROL MONITORING REQUIRED:	No	No
		FREQUENCY OF SAMPLING:	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
16	Volatiles, Halogenated (continued)	1,4-Dichlorobenzene		
		Bromoform		
		Bromomethane		
		Carbon tetrachloride		
		Chlorobenzene		
		Chloroform		
		Chloromethane		
		Cis-1,3-Dichloropropylene		
		Dibromochloromethane		
		Ethylene dibromide		
		Methylene chloride		
		Tetrachloroethylene (Perchloroethylene)		
		Trans-1,2-Dichloroethylene		
		Trans-1,3-Dichloropropylene		
		Trichloroethylene		
		Trichlorofluoromethane		
		Vinyl chloride (Chloroethylene)		
17	Volatiles, Non-Halogenated	Benzene		
		Styrene		
		Toluene		
		o-Xylene		
		m-Xylene and p-Xylene		

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE S: SARNIA WORKS (WELLAND CHEMICAL LTD.)

NAME OF EFFLUENT STREAM:			Effluent from Aluminum Chloride Building (East Wall)	Effluent from Aluminum Chloride Building (South Wall)
EFFLUENT STREAM TYPE:			OTCW	OTCW
TOXICITY TEST REQUIRED:			Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			None	None
QUALITY CONTROL MONITORING REQUIRED:			No	No
FREQUENCY OF SAMPLING:			M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene		
		1,2,3,5-Tetrachlorobenzene		
		1,2,4,5-Tetrachlorobenzene		
		1,2,3-Trichlorobenzene		
		1,2,4-Trichlorobenzene		
		2,4,5-Trichlorotoluene		
		Hexachlorobenzene		
		Hexachlorobutadiene		
		Hexachlorocyclopentadiene		
		Hexachloroethane		
		Octachlorostyrene		
		Pentachlorobenzene		
25	Solvent Extractables	Oil and grease	XXX	XXX

12. The said Regulation is amended by adding thereto the following Schedules:

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE W: COURTRIGHT PLANT (CANADIAN LIQUID AIR LTD. (CARDOX DIVISION))

		NAME OF EFFLUENT STREAM:	Effluent to Town Line Road Ditch
		EFFLUENT STREAM TYPE:	OTCW
		TOXICITY TEST REQUIRED:	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		QUALITY CONTROL MONITORING REQUIRED:	Yes
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX
6	Total phosphorus	Total phosphorus	XXX
7	Specific conductance	Specific conductance	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX
		Volatile suspended solids (VSS)	
25	Solvent Extractables	Oil and grease	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE X: COURTRIGHT PLANT (LIQUID CARBONIC INC.)

		NAME OF EFFLUENT STREAM:	Effluent to South Ditch			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum				XXX
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX
		Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE X: COURTRIGHT PLANT (LIQUID CARBONIC INC.)

		NAME OF EFFLUENT STREAM:	Effluent to South Ditch			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Thallium				XXX
		Vanadium				XXX
		Zinc				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
25	Solvent Extractables	Oil and grease				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE Y: MAITLAND PLANT (LIQUID CARBONIC INC.)

NAME OF EFFLUENT STREAM:			Effluent to Main Outfall			
EFFLUENT STREAM TYPE:			Combined			
TOXICITY TEST REQUIRED:			Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes			
FREQUENCY OF SAMPLING:			D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum				XXX
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX
		Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE Y: MAITLAND PLANT (LIQUID CARBONIC INC.)

NAME OF EFFLUENT STREAM:			Effluent to Main Outfall			
EFFLUENT STREAM TYPE:			Combined			
TOXICITY TEST REQUIRED:			Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes			
FREQUENCY OF SAMPLING:			D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Thallium				XXX
		Vanadium				XXX
		Zinc				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
25	Solvent Extractables	Oil and grease			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE Z: MAITLAND PLANT (PURITAN-BENNETT CANADA LIMITED)

		NAME OF EFFLUENT STREAM:	Effluent to Creek
		EFFLUENT STREAM TYPE:	OTCW
		TOXICITY TEST REQUIRED:	Yes
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None
		QUALITY CONTROL MONITORING REQUIRED:	Yes
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	XXX
4a	Nitrogen	Ammonia plus Ammonium	XXX
		Total Kjeldahl nitrogen	XXX
4b		Nitrate + Nitrite	XXX
5a	Organic carbon	Dissolved organic carbon (DOC)	XXX
5b		Total organic carbon (TOC) (NOTE 1)	XXX
6	Total phosphorus	Total phosphorus	XXX
7	Specific conductance	Specific conductance	XXX
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX
		Volatile suspended solids (VSS)	
25	Solvent Extractables	Oil and grease	XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A1: SARNIA PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

NAME OF EFFLUENT STREAM:			Effluent to Cole Drain from Cooling Towers				Effluent from Vaporizer			
EFFLUENT STREAM TYPE:			Combined				Combined			
TOXICITY TEST REQUIRED:			Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days			
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				Semi-annually 180 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX				XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX				XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX				XXX	
6	Total phosphorus	Total phosphorus			XXX				XXX	
7	Specific conductance	Specific conductance	XXX				XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX				XXX			
		Volatile suspended solids (VSS)								
9	Total metals	Aluminum				XXX				XXX
		Beryllium				XXX				XXX
		Boron				XXX				XXX
		Cadmium				XXX				XXX
		Chromium				XXX				XXX
		Cobalt				XXX				XXX
		Copper				XXX				XXX
		Lead				XXX				XXX
		Molybdenum				XXX				XXX
		Nickel				XXX				XXX
		Silver				XXX				XXX
		Strontium				XXX				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A1: SARNIA PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

		NAME OF EFFLUENT STREAM:	Effluent to Cole Drain from Cooling Towers				Effluent from Vaporizer			
		EFFLUENT STREAM TYPE:	Combined				Combined			
		TOXICITY TEST REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually				Semi-annually			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
9	Total metals (continued)	Thallium				XXX				XXX
		Vanadium				XXX				XXX
		Zinc				XXX				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX				XXX
25	Solvent Extractables	Oil and grease			XXX				XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A2: MOORE TOWNSHIP PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

		NAME OF EFFLUENT STREAM:	Final Effluent			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
	ANALYTICAL TEST GROUP	PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum				XXX
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX
		Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A2: MOORE TOWNSHIP PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

NAME OF EFFLUENT STREAM:	Final Effluent
EFFLUENT STREAM TYPE:	Combined
TOXICITY TEST REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24):	Semi-annually
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days
CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24:	Semi-annually
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	180 days
QUALITY CONTROL MONITORING REQUIRED:	Yes

		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Thallium				XXX
		Vanadium				XXX
		Zinc				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
25	Solvent Extractables	Oil and grease			XXX	

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A3: SAULT STE. MARIE PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

		NAME OF EFFLUENT STREAM:	Effluent from Outfall at Safety Drive			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen ion (pH)	Hydrogen ion (pH)	XXX			
5a	Organic carbon	Dissolved organic carbon (DOC)			XXX	
5b		Total organic carbon (TOC) (NOTE 1)			XXX	
6	Total phosphorus	Total phosphorus			XXX	
7	Specific conductance	Specific conductance	XXX			
8	Suspended solids (TSS/VSS)	Total suspended solids (TSS)	XXX			
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum				XXX
		Beryllium				XXX
		Boron				XXX
		Cadmium				XXX
		Chromium				XXX
		Cobalt				XXX
		Copper				XXX
		Lead				XXX
		Molybdenum				XXX
		Nickel				XXX
		Silver				XXX
		Strontium				XXX

EFFLUENT MONITORING REGULATION - INORGANIC CHEMICAL SECTOR

SCHEDULE A3: SAULT STE. MARIE PLANT (UNION CARBIDE CANADA LIMITED (LINDE DIVISION))

		NAME OF EFFLUENT STREAM:	Effluent from Outfall at Safety Drive			
		EFFLUENT STREAM TYPE:	Combined			
		TOXICITY TEST REQUIRED:	Yes			
		CHARACTERIZATION SAMPLING FREQUENCY (except for ATG 24): CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		CHARACTERIZATION SAMPLING FREQUENCY FOR ATG 24: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes			
		FREQUENCY OF SAMPLING:	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
9	Total metals (continued)	Thallium				XXX
		Vanadium				XXX
		Zinc				XXX
11	Chromium (Hexavalent) (NOTE 2)	Chromium (Hexavalent)				XXX
25	Solvent Extractables	Oil and grease				XXX

ACCO USA
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